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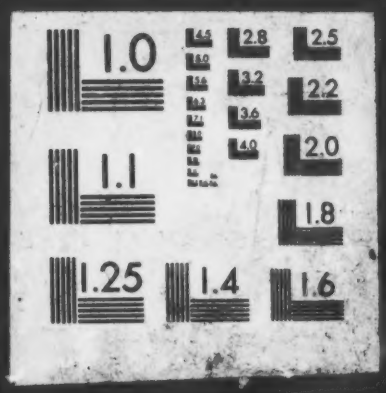

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Environmental Protection Agency 1981-1990 ADP Requirements Study. Consolidated Telecommunications Study. Volume III. Appendices

Informatics, Inc, Rockville, Md.

Prepared for

Environmental Protection Agency, Washington, D.C.

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16. Abstracts The purpose and objectives of the Environmental Protection Agency (EPA) Automated Data Processing (ADP) planning activities are to obtain the most cost-effective computing/telecommunications resources to meet EPA's computing requirements for the 1981 through 1990 time period. A detailed system study was performed, which identifies the current and projected ADP requirements for the period 1981 through 1990. Each ADP activity is identified utilizing Zero Based Budget (ZBB) decision units and then projected utilizing a multiple scenario approach. The final documents of this report are:

Consolidated Systems Study: Volume I - Executive Management Summary; Volume II - Detailed Report; Volume III - Appendices including microfiche details (3) fiche.
Consolidated Telecommunications Study: Volume I - Executive Management Summary; Volume II - Detailed Report; Volume III - Appendices including microfiche details (6) fiche.
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ENVIRONMENTAL PROTECTION AGENCY
1981-1990 ADP REQUIREMENTS STUDY
CONSOLIDATED TELECOMMUNICATIONS STUDY

VOLUME III

Appendices

Final Report

Technical Report

TR-77-1942-10

Prepared for:

Management Information and Data Systems Division
Environmental Protection Agency
Washington, D.C. 20460

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SECTION 1

INTRODUCTION

The purpose of the Consolidated Telecommunications Study is to present the mission and telecommunications workload analysis from the current period (1977) to 1990, based upon existing and planned ADP systems and the manner in which they employ telecommunications facilities. The study report represents the results of an intensive data gathering effort at all levels of EPA, including headquarters, regional offices, and laboratories. It provides an analysis of this data and a projection of telecommunications requirements through the 1990 planning time period for each of several alternative future scenarios.

Volumes I and II of this report present workloads for telecommunications traffic in support of missions and ADP activity for each geographic location in EPA. Current and projected workload is defined for ADP users in terms of average number of characters transmitted per month to and from Washington Computer Center (WCC) and National Computer Center (NCC) computing facilities.

The purpose of this volume is to provide the detailed information from which the first two volumes were generated. This detailed information is presented in the following sections.

- Section 2: a detailed description of the study methodology, including the methods utilized for long term workload projections
- Section 3: a detailed presentation and tables of all components of the current baseline telecommunications workload
- Section 4: a detailed presentation and tables for all components of projected telecommunications workload for each alternative future scenario

SECTION 2

TELECOMMUNICATIONS PROJECTION METHODOLOGY

2.1 DATA COLLECTION AND BASELINE WORKLOAD

The data collection effort was an attempt to determine the input/output usage and frequency of terminals for each ADP activity. During the collection, however, it was found that some of the available data did not agree with the total values in the computer service records for terminal use. Therefore, it was necessary to develop a methodology whereby the telecommunications workload could be determined by location.

In the Consolidated Systems Study, the total workload for each ADP activity was available by organization; but each entry could represent multiple users at a variety of locations. So, in order to determine the telecommunications workload, each entry had to be spread by location. The only tools available for this spread were the initials of the OSI users, and the terminal ID of NCC users. These provide a unique geographic location by telephone area code and zip code.

To achieve the desired location spread, Informatics obtained data for the first seven months of the year from EPA. The workload (including low speed connect hours) was listed by organization and/or project code which ties the workload to ADP activity. Each project was then manually identified geographically, and the percentage of the total workload for that ADP activity was determined.

The percentage of total workload was obtained by dividing the total connect hours into the connect hours of the individual locations. These percentages were then used to determine the individual location

values for input/output volume and to project long-term requirements. In projecting future workload, it was assumed that the distribution of individual workload to the total would remain approximately the same in future years.

2.2 WORKLOAD PROJECTION

The percentages of the total workload developed during the distribution process were retained and used in the individual ADP activity projections presented in the Consolidated Systems Study. Individual workload projections for each period (1979, 1981, 1985 and 1990) were made by applying this percentage to the total connect hours and total input/output for each ADP activity. The assumption was made that the peak hour distribution identified for the current workload was the same for projected workload.

2.3 SAMPLE DISTRIBUTION

The application of the methodology is on an ADP activity basis (using the workload data from the Consolidated Systems Study). A sample of this methodology is presented below. The system selected for the example is CDS for the Office of Enforcement. The individual steps are as follows:

Step 1 - Identify the ADP activity and organizational element responsible

Step 2 - Identify and record 1977 baseline information (input/output for high and low speed and current hours)

Step 3 - Identify system users by initials

Step 4 - Identify locations of system users

Step 5 - Determine usage by location (both total hours and percentage)

Step 6 - Record hours and percentage by individual location

Step 7 - Repeat Steps 1 thru 6 for all other ADP activities

Step 8 - Record final totals for each location

Step 9 - Using projections from the Consolidated Systems Study and percentages developed in Step 5, calculate the workload for each year 1979, 1981, 1985 and and 1990

Step 10 - Summarize and record total workload by location

Step 1 - Identify Activity

ADP Activity - CDS

Computer Service Center - OSI

Organization - Office of Enforcement

Step 2 - Identify 1977 Workload Baseline

Input:	High Speed:	Transactions 5000	Characters 400,000*	
	Low Speed:	Transactions 2000	Characters 160,000*	
Output:	High Speed:	Transactions 570,000	Characters 75,200,000*	
	Low Speed:	Transactions 2,500	Characters 150,000*	
Connect Hours:	High Speed:	4 hours*		
	Low Speed:	28 hours*		

*Note: Only sample data are used - not actuals

Step 3 - Identify System Users

Project	User Initials
A026 (CDS)	CFS
	EXC
	FCS
	MJM
A046 (CDS)	EXC
QEOI (CDS)	INA
	RTW
CDS 4	CRD
	MXD

Step 4 - Identify Location of Users*

		Location	
Project	User Initials	Area	Zip
A026 (CDS)	CFS	203	06109
	EXC	203	06109
	FCS	202	20460
	MJM	202	20460
A046 (CDS)	EXC	203	06109
QEOI (CDS)	INA	215	19106
	RTW	215	19106
CDS 4	CRD	404	30308
	MXD	404	30308

*Note: Only sample data are used - not actuals

Step 5 - Determine Usage by Location

Step 6 - Workload by Location

Project	User Initials	Location Area	Location Zip	Connect Hours	% of Total
A026 (CDS)	CFS	203	06109	.88	03.14
	EXC	203	06109	10.17	36.32
A046 (CDS)	EXC	209	06109	00	
		TOTAL		11.05	39.46

Step 7 - Repeat for Other Activities

Step 8 - Total by Location

Project	Location Area	Location Zip	Connect Hours	% of Total	Input Char. (M)	Output Char. (M)
CDS	203	06109	11.05	39.46	.063	.059
PEMS	203	06109	9.89	25.17	.075	.060
Data Base Access	203	06109	42.03	40.03	1.310	.932
Other	203	06109	.62	4.62	.040	.036
		TOTAL	63.59	109.28	1.548	1.087

Step 9 - Calculate Workload

1979

Project	Location Area	Location Zip	% of Total	Connect Hours Total	Connect Hours Loc.	Input Char. (M)	Output Char. (M)
CDS	203	06109	39.46	57.	22.49	.145	.119
PEMS			25.17	39.3	9.89	.075	.060
Data Base Access			40.03	283.5	113.49	2.274	1.547
Other			4.62	23.9	1.38	.089	.080
			TOTAL	403.7	147.25	2.583	1.806

1981

Project	Location Area	Location Zip	% of Total	Connect Hours Total	Connect Hours Loc.	Input Char. (M)	Output Char. (M)
CDS	203	06109	39.46	79.	31.17	.202	.165
PEMS			25.17	69.6	17.52	.133	.106
Data Base Access			40.03	364.6	145.95	2.933	1.995
Others			4.62	34.2	1.58	.102	.092
			TOTAL	547.4	196.22	3.370	2.358

1985

Project	Location Area	Location Zip	% of Total	Connect Hours Total	Connect Hours Loc.	Input Char. (M)	Output Char. (M)
CDS	203	06109	39.46	144.6	57.06	.370	.302
PEMS			25.17	160.0	40.27	.306	.244
Data Base Access			40.03	606.1	242.62	4.869	3.312
Others			4.62	65.0	3.00	.194	.175
			TOTAL	975.7	342.95	5.739	4.033

1990

Project	Location Area	Location Zip	% of Total	Connect Hours Total	Connect Hours Loc.	Input Char. (M)	Output Char. (M)
CDS	203	06109	39.46	190.6	75.21	.488	.399
PEMS			25.17	223.5	56.25	.428	.342
Data Base Access			40.03	775.7	310.51	6.232	4.239
Others			4.62	86.0	3.97	.256	.231
			TOTAL	1275.8	445.94	7.404	5.211

Step 10 - Summarize Workload

Location: 203 Zip: 06109

Years	Connect Hours	Input Char. (M)	Output Char. (M)
1977	63.59	1.548	1.087
1979	147.25	2.583	1.806
1981	196.22	3.370	2.358
1985	342.95	5.739	4.033
1990	445.94	7.404	5.211

SECTION 3

CURRENT TELECOMMUNICATIONS WORKLOAD TABLES

3.1 DESCRIPTION OF TABLES

This section presents the baseline (1977) workload data for each geographic location in EPA. The tables presented in this section show the total workloads for each telephone area code and zip code. Tables showing the workload for each ADP activity within each of these locations are available as microfiche copies, available for all participants in the study program.

The data presented in these tables were obtained from various reports generated from the OSI and NCC computer accounting systems. Subsection 3.1.1 describes the data items, indicates the source and method of calculation, and describes the organization of the baseline tables. Subsection 3.2 presents the workload tables.

3.1.1 Description of Data Items

In order to present the large amount of information collected for each location in a concise form, the tables in Section 3.2 were developed. These tables contain existing workload data for each location's activities currently operating at either OSI-COMNET or NCC. Because the data were collected before the transition to COMNET was completed, workload data are based on OSI figures for those systems that were operating at OSI during the survey. Annual values are extrapolated from partial year figures (as described below). Developmental or planned activity workload is also included in the tables. This subsection describes the information in those tables, how the data was calculated, and how the tables are organized.

The workload data are divided into three main areas (connect time, input transactions and characters, and output transactions and characters). These statistics are further distributed by high speed (2000, 4800, 7200, 9600 or 19.2K baud) and low speed (under 2000 baud, predominantly 30 and 120 characters per second). In all cases, the workload indicated is a monthly average. The following descriptions indicate the source of information and the method of calculation for each of the areas.

- Input/Output. This data, with the exception of connect hours, was gathered from the ADP activity survey described in Section 4 for the OSI activities, and from a report generated from the Univac computer for the NCC activities. I/O is separated into high and low speed transmissions, with the transaction volume and total character volume given for each. Generally, an input transaction would be one card or card image, while an output transaction would be one print line. When no information was given as to characters per transaction, 80 characters per transaction was assumed for input and 100 characters per transaction for output for OSI activities. For NCC activities I/O was calculated from the Univac workload listings using the following algorithims:

1. High speed input transactions = CARDS IN

2. High speed input total characters = CARDS IN X 60

3. High speed output transactions =
   CARDS OUT (high speed) + PAGES (high)X 50 +
   CARDS OUT (low) + PAGES (low) X 50 X .75

   NOTE: It was established that 75 percent of the PAGES figures was directed to high speed printers and the remaining 25 percent was output to low speed terminals wherever there were values for PAGES for low speed output.

4. High speed output total characters =
   CARDS OUT (high) X 60 + PAGES (high) X 50 X 100 +
   CARDS OUT (low) X 60 + PAGES (low) X 50 X 100 X .75

5. Low speed input transactions = CARDS IN (low)

6. Low speed input total characters = CARDS IN (low) X 60

7. Low speed output transactions = PAGES (low) X 50 X .25

8. Low speed output total characters = PAGES (low) X 50 X 100 X .25

Output for OSI activities, where not available from the survey forms was calculated from TOTAL PRINT LINES given in the workload reports from OSI. No distinction was given between remote and on-site printing. To obtain the number of transactions transmitted via telecommunications service (defined to be lines printed at the remote terminal), the total print lines were multiplied by .5 for all activities within one day courier service from OSI, by .7 for the eastern regions without one day service, and by .8 for all other regions. This weighting is designed to account for the different remote vs on-site printing philosophies for different locations. The number of transactions were then multiplied by 100 to obtain total characters transmitted.

- Connect Hours: this data represents the total connect time for terminals in each location and was obtained from OSI and NCC workload accounting listings.

3.2 WORKLOAD TABLES

The tables following provide a summary of telecommunications workload by geographic location (telephone area code and zip code). More detailed tables by ADP activity and location are available in a special report provided to MIDSD and in microfiche.

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/08/77

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC	202	20006	296.21	7,480	.630	175,758	17.673	.00	00	.000	00	.000
DC	202	20016	15.82	594	.047	14,232	1.423	.00	00	.000	00	.000
DC	202	20036	.60	02	.003	02	.003	.00	00	.000	00	.000
DC	202	20460	3,676.99	209,032	19.651	1,533,406	148.304	1,367.02	1,281,499	196.563	20,471,425	3,071.253
DC	202		3,991.62	217,106	20.331	1,634,398	167.103	1,367.02	1,281,499	196.563	20,471,425	3,071.253
DC	301	20652	163.42	6,070	1.621	34,298	3.935	.00	00	.000	00	.000
DC	301	20902	29.80	1,119	.090	13,429	1.341	.00	00	.000	00	.000
DC	301	20913	1.13	06	.001	916	.092	.00	00	.000	00	.000
DC	301		194.35	7,197	1.112	48,643	5.368	.00	00	.000	00	.000
DC	703	20460	61.12	10,433	.631	81,700	8.173	.00	00	.000	00	.000
DC	703	22041	4.99	910	.910	910	.910	.00	00	.000	00	.000
DC	703	22043	6.41	22	.034	22	.034	.00	00	.000	00	.000
DC	703	22101	.26	153	.039	139	.014	.00	00	.000	00	.000
DC	703	22150	1.51	454	.029	380	.038	.00	00	.000	00	.000
DC	703	22203	35.59	1,337	.107	32,022	3.203	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22210	2.02	746	.045	984	.098	.00	00	.000	00	.000
DC	703	22314	21.64	1,267	.098	4,172	.417	.00	00	.000	00	.000
DC	703		133.74	15,304	2.053	123,329	12.887	.00	00	.000	00	.000
DC			4,319.71	239,609	23.476	1,853,370	185.358	1,367.02	1,281,499	196.563	20,471,425	3,071.253

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI 919 27111	3.90	140	.012	1,000	.176	.00	00	.000	00	.000
RI 919 27611	1.17	66	.005	264	.026	.00	00	.000	00	.000
RI 919 27702	296.11	100,755	6.045	59,012	6.901	.00	00	.000	00	.000
RI 919 27711	2,756.25	1,660,903	99.720	1,177,363	117.779	1,440.30	4,874,678	771.150	25,632,067	2,491.319
RI 919	3,057.43	1,761,870	105.782	1,249,439	124.882	1,440.30	4,874,678	771.150	25,632,067	2,491.319
RI	3,057.43	1,761,870	105.782	1,249,439	124.882	1,440.30	4,874,678	771.150	25,632,067	2,491.319

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
31	203	06019	.00	00	.000	00	.000	.00	00	.000	00	.000
31	203	06108	42.61	10,514	.631	22,013	2.201	.00	00	.000	00	.000
31	203	06109	23.17	1,303	.106	4,715	.269	.00	00	.000	00	.000
31	203		65.78	11,817	.737	25,725	2.470	.00	00	.000	00	.000
31	207	04333	.10	07	.000	113	.011	.00	00	.000	00	.000
31	207		.10	07	.000	113	.011	.00	00	.000	00	.000
31	401	02802	4.40	165	.013	2,000	.198	23.10	2,000	.171	76,500	10.260
31	401		4.40	165	.013	2,000	.198	23.10	2,000	.171	76,500	10.260
31	617	01254	.00	57	.005	679	.068	.00	00	.000	00	.000
31	617	01452	4.07	167	.038	2,379	.238	.00	00	.000	00	.000
31	617	02114	41.99	14,027	.842	23,067	2.009	.00	00	.000	00	.000
31	617	02203	69.20	10,633	.690	43,337	3.971	132.90	70,287	4.496	1,486,467	177.527
31	617		115.26	24,824	1.545	53,482	6.266	132.90	70,287	4.496	1,486,467	177.527
31	802	05602	4.00	165	.038	2,341	.234	.00	00	.000	00	.000
31	802		4.00	165	.008	2,341	.234	.00	00	.000	00	.000
31			189.54	36,918	2.303	94,661	9.199	156.00	72,287	4.667	1,562,967	187.787

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
02 201 08817	6.60	50	.002	10	.001	.00	00	.000	00	.000
02 201 27709	16.19	663	.055	16,367	1.637	.00	00	.000	00	.000
02 201	24.99	733	.057	16,377	1.638	.00	00	.000	00	.000
02 212 10007	671.54	38,490	2.857	295,792	27.922	134.24	38,120	2.767	1,479,557	186.239
02 212 10471	13.32	499	.040	5,998	.600	.00	00	.000	00	.000
02 212	684.86	38,989	2.897	302,790	28.522	134.24	38,120	2.767	1,479,557	186.239
02 516 11973	21.21	792	.064	9,546	.955	.00	00	.000	00	.000
02 516	21.21	792	.064	9,546	.955	.00	00	.000	00	.000
02 518 12181	.15	02	.000	122	.012	.00	00	.000	00	.000
02 518	.15	02	.000	122	.012	.00	00	.000	00	.000
02 609 08625	4.54	120	.009	2,668	.266	.00	00	.000	00	.000
02 609	4.54	120	.009	2,668	.266	.00	00	.000	00	.000
02	735.45	40,636	3.027	331,503	31.393	134.24	38,120	2.767	1,479,557	186.239

1977
TELECOMMUNICATIONS ACCRUED
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
33 215 19106	288.60	12,612	.935	15,758	12.975	276.56	63,404	6.609	9,266,646	1,208.388
33 215	288.60	12,612	.935	15,758	12.975	276.56	63,404	6.609	9,266,646	1,208.388
33 301 21010	.58	22	.032	260	.026	.00	00	.000	00	.000
33 301 21215	8.64	29	.046	29	.046	.00	00	.000	00	.000
33 301	9.22	51	.046	289	.072	.00	00	.000	00	.000
33	297.82	12,663	.953	17,047	13.047	276.56	63,404	6.609	9,266,646	1,208.388

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
04	205	05403	.64	159	.010	333	.033	.00	00	.000	00	.000
04	205	35203	254.67	86,554	5.315	117,515	11.751	.00	00	.000	00	.000
04	205	36109	30.06	223	.018	24,347	2.435	.00	00	.000	00	.000
04	205		285.37	86,936	5.343	142,195	14.219	.00	00	.000	00	.000
04	404	30308	321.51	280,689	17.064	135,162	13.614	464.18	497,331	34.049	7,516,462	981.354
04	404	30601	81.80	2,449	.198	43,898	4.391	60.80	35	.221	75,300	7.528
04	404		403.31	283,138	17.262	185,060	18.005	524.98	497,306	34.270	7,591,762	989.482
04	803	29201	3.28	164	.015	590	.058	.00	00	.000	00	.000
04	803		3.28	164	.015	590	.058	.00	00	.000	00	.000
04	904	32561	47.90	1,800	.144	21,600	2.156	.01	3,630	.242	106,710	14.273
04	904		47.90	1,800	.144	21,600	2.156	.01	3,630	.242	106,710	14.273
04			739.66	374,058	22.754	344,445	34.438	524.99	501,136	34.512	7,698,472	1,003.755

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
05	216	44106	.00	00	.000	00	.000	.00	00	.000	00	.000
05	216		.00	00	.000	00	.000	.00	00	.000	00	.000
05	217	61820	1.89	71	.036	850	.085	.00	00	.000	00	.000
05	217		1.89	71	.036	850	.085	.00	00	.000	00	.000
05	218	55804	.32	12	.001	146	.015	.00	00	.000	00	.000
05	218		.32	12	.001	146	.015	.00	00	.000	00	.000
05	312	55101	.84	32	.003	378	.038	.00	00	.000	00	.000
05	312	60610	2.31	87	.037	1,038	.104	.00	00	.000	00	.000
05	312	60604	388.40	136,447	9.276	104,766	11.448	411.76	800,300	46.433	3,254,968	450.388
05	312	60609	5.04	190	.015	2,266	.227	.00	00	.000	00	.000
05	312		396.49	136,756	9.331	133,448	11.817	411.76	800,300	46.433	3,254,968	450.388
05	313	48106	12.30	461	.037	5,500	.554	.00	00	.000	00	.000
05	313	48108	26.90	3,582	.227	9,434	.944	.00	00	.000	00	.000
05	313	48138	34.67	9,647	.578	7,379	.738	28.12	14,504	.959	345,849	39.535
05	313	60604	.23	205	.013	83	.009	.00	00	.000	00	.000
05	313		74.10	13,895	.855	22,396	2.245	28.12	14,504	.959	345,849	39.535
05	317	46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05	317		.00	00	.000	00	.000	.00	00	.000	00	.000
05	414	53225	6.29	237	.019	2,832	.283	.00	00	.000	00	.000
05	414	54303	1.26	47	.004	566	.057	.00	00	.000	00	.000
05	414		7.55	284	.023	3,398	.340	.00	00	.000	00	.000
05	417	44875	.00	00	.000	00	.000	.00	00	.000	11,142	1.114
05	417		.00	00	.000	00	.000	.00	00	.000	11,142	1.114
05	513	11971	95.10	3,550	.285	42,799	4.280	.00	00	.000	00	.000
05	513	44870	46.55	5,600	.446	5,600	.446	.00	00	.000	00	.000

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
35	513	45244	3.45	129	.010	1,455	.156	.00	00	.000	00	.000
35	513	45267	.00	30	.002	359	.035	.00	00	.000	00	.000
35	513	45269	433.00	109,782	6.932	229,644	22.964	1.86	69,634	2.590	1,175,901	81.817
35	513		436.50	119,051	7.047	279,957	27.003	1.86	69,634	2.590	1,175,901	81.817
35	517	48925	28.32	1,067	.085	12,744	1.275	.00	00	.000	00	.000
35	517		28.32	1,067	.085	12,744	1.275	.00	00	.000	00	.000
35	606	53597	1.47	55	.004	661	.066	.00	00	.000	00	.000
35	606	53707	15.32	577	.046	5,891	.589	.00	00	.000	00	.000
35	606		16.79	632	.050	7,552	.755	.00	00	.000	00	.000
35	612	55113	45.95	1,730	.138	23,674	2.363	.00	00	.000	00	.000
35	612		45.95	1,730	.138	23,674	2.066	.00	00	.000	00	.000
35	715	53225	1.47	55	.004	661	.066	.00	00	.000	00	.000
35	715		1.47	55	.004	661	.066	.00	00	.000	00	.000
35	812	47711	.21	08	.001	94	.009	.00	00	.000	00	.000
35	812		.21	08	.001	94	.009	.00	00	.000	00	.000
35			1,151.49	273,601	16.111	456,920	46.558	441.74	884,438	49.982	4,787,860	573.554

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
06	214	75270	167.76	6,183	.655	50,989	5.103	241.47	57,834	7.164	2,169,595	280.305
06	214		167.76	6,183	.655	50,989	5.103	241.47	57,834	7.164	2,169,595	280.305
06	415	73105	12.81	336	.027	7,490	.749	.00	00	.000	00	.000
06	415	74820	1.10	41	.003	495	.050	36.90	31	.020	8,600	.365
06	415		13.91	377	.030	7,985	.799	36.90	31	.020	8,600	.365
06	501	72209	16.23	478	.038	15,657	1.566	.00	00	.000	00	.000
06	501		16.23	478	.038	15,657	1.566	.00	00	.000	00	.000
06	504	70163	29.03	960	.077	14,615	1.461	.00	00	.000	00	.000
06	504	70893	28.72	1,077	.086	12,926	1.293	.00	00	.000	00	.000
06	504	70896	2.41	90	.007	1,084	.108	.00	00	.000	00	.000
06	504		60.16	2,127	.170	28,625	2.862	.00	00	.000	00	.000
06	505	87501	10.83	284	.023	6,334	.634	.00	00	.000	00	.000
06	505		10.83	284	.023	6,334	.634	.00	00	.000	00	.000
06	512	78711	1.24	33	.003	728	.073	.00	00	.000	00	.000
06	512		1.24	33	.003	728	.073	.00	00	.000	00	.000
06			272.13	11,482	.919	135,316	10.537	278.37	57,835	7.184	2,176,195	281.170

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
37	402	68102	.07	02	.000	30	.003	.00	00	.000	00	.000
37	402	68500	.00	00	.000	00	.000	.00	00	.000	00	.000
37	402		.07	02	.000	30	.003	.00	00	.000	00	.000
37	515	50316	10.92	410	.033	4,914	.492	.00	00	.000	00	.000
37	515		10.92	410	.033	4,914	.492	.00	00	.000	00	.000
37	816	64108	115.36	6,080	1.097	39,903	3.999	226.57	30,711	4.003	396,673	68.008
37	816		115.36	6,080	1.097	39,903	3.999	226.57	30,711	4.003	396,673	68.008
37	913	66620	20.00	750	.060	8,998	.900	.00	00	.000	00	.000
37	913		20.00	750	.060	8,998	.900	.00	00	.000	00	.000
37			146.35	7,242	1.190	53,845	5.394	226.57	30,711	4.003	396,673	68.008

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
08	303 60203	71.62	30,051	1.855	27,399	2.747	128.08	72,948	4.700	1,155,959	134.365
08	303 60223	6.61	174	.014	3,876	.367	.00	00	.000	00	.000
08	303 60225	107.09	4,087	.329	49,226	4.563	45.21	3,187	2.389	68,784	1.478
08	303	185.52	34,312	2.198	80,501	7.697	173.29	76,135	7.089	1,224,743	136.343
08	307 02002	.00	00	.000	00	.000	.00	00	.000	00	.000
08	307	.00	00	.000	00	.000	.00	00	.000	00	.000
08	605 57501	12.23	459	.037	5,497	.550	.00	00	.000	00	.000
08	605	12.23	459	.037	5,497	.550	.00	00	.000	00	.000
08	701 58501	4.27	112	.009	2,502	.250	.00	00	.000	00	.000
08	701	4.27	112	.009	2,502	.250	.00	00	.000	00	.000
08		202.02	34,883	2.244	88,503	8.497	173.29	76,135	7.089	1,224,743	136.343

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
39	213	90009	9.15	327	.026	9,343	.431	.00	00	.000	00	.000
39	213	90051	6.85	206	.016	3,695	.370	.00	00	.000	00	.000
39	213		16.00	533	.042	6,039	.801	.00	00	.000	00	.000
39	415	94111	136.56	9,039	.673	53,413	45.636	70.36	42,720	1.800	408,912	162.331
39	415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
39	415		136.56	9,039	.673	53,413	45.636	70.36	42,720	1.800	408,912	162.331
39	702	89114	190.63	6,506	.500	139,315	10.938	76.98	1,994	4.523	1,931,538	193.154
39	702	89715	8.44	317	.025	3,802	.360	.00	00	.000	00	.000
39	702	89914	5.03	282	.023	1,126	.113	.00	00	.000	00	.000
39	702	98114	13.74	102	.008	11,127	1.113	.00	00	.000	00	.000
39	702		217.81	7,201	.556	125,370	12.544	76.98	1,994	4.523	1,931,538	193.154
39	707	17055	11.47	39	.062	39	.062	.00	00	.000	00	.000
39	707		11.47	39	.062	39	.062	.00	00	.000	00	.000
39	714	92702	.34	13	.001	154	.015	.00	00	.000	00	.000
39	714	92806	.68	26	.002	307	.031	.00	00	.000	00	.000
39	714		1.02	39	.003	461	.046	.00	00	.000	00	.000
39	805	91320	306.41	300,843	18.054	117,589	11.760	.00	00	.000	00	.000
39	805		306.41	300,843	18.054	117,589	11.760	.00	00	.000	00	.000
39	916	95801	12.56	377	.030	6,782	.679	.00	00	.000	00	.000
39	916	95825	7.41	222	.016	3,993	.400	.00	00	.000	00	.000
39	916		19.99	599	.048	10,775	1.079	.00	00	.000	00	.000
39			709.26	318,293	19.638	322,683	71.928	147.34	44,714	6.323	2,340,450	355.385

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
10	206	07950	33.76	36,704	2.322	12,445	1.244	.00	00	.000	00	.000
10	206	98101	93.25	2,332	.186	55,915	5.596	172.43	70,711	5.964	2,612,850	265.748
10	206	98504	3.93	146	.012	1,758	.177	.00	00	.000	00	.000
10	206		130.94	41,184	2.520	73,118	7.019	172.43	70,711	5.964	2,612,850	265.748
10	208	83720	3.37	126	.010	1,505	.151	.00	00	.000	00	.000
10	208	83721	.03	01	.000	12	.001	.00	00	.000	00	.000
10	208	83724	.20	07	.001	89	.009	.00	00	.000	00	.000
10	208		3.60	134	.011	1,605	.161	.00	00	.000	00	.000
10	503	97225	1.15	43	.003	513	.052	.00	00	.000	00	.000
10	503	97330	60.65	2,249	.192	27,206	2.731	63.71	42	.002	404	1.331
10	503		61.80	2,292	.195	27,719	2.783	63.71	42	.002	404	1.331
10	907	99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10	907		.00	00	.000	00	.000	.00	00	.000	00	.000
10			196.34	43,610	2.716	99,443	9.963	236.14	70,753	5.966	2,613,254	267.579

1977
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99990	44.26	50,703	3.059	20,805	2.062	.00	00	.000	00	.000
99 999	44.26	50,703	3.059	20,805	2.062	.00	00	.000	00	.000
99	44.26	50,703	3.059	20,805	2.062	.00	00	.000	00	.000
	12,362.46	1,205,568	206.182	5,645,979	553.276	5,422.56	7,995,710	1,096.815	79,652,309	9,832.353

SECTION 4

PROJECTED TELECOMMUNICATIONS WORKLOAD TABLES

Section 2, Projection Methodology, discussed the individual components necessary to develop long term telecommunications projections and the methodology for bringing these components together. Section 3, Current Telecommunications Workload, presents the current baseline workload by geographic location. This section presents the application of the projection methodology on a geographic basis, for the periods 1979, 1981, 1985, and 1990. Projections are shown based on three different sets of assumptions about future conditions, i.e., three alternative scenarios. These projections were all made on the basis that ADP activities currently using central time-sharing will continue to use central time-sharing facilities, with the exception of those organizations which have already or plan in the near future to use local minicomputers to reduce their time-sharing workload.

Projections of telecommunications workload were based upon management interviews and associated projection factors which were developed based upon these interviews. The methodology for development of these projection factors and a list of resultant factors by organization is presented in Section 4 of the Consolidated Systems Study, Volume III (Appendix).

The tables following provide a summary of telecommunications workload by geographic location (telephone area code and zip code) for each of the three scenarios. These tables are presented in the same format used in Section 3 for the current telecommunications workload tables.

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC	202	20005	258.01	7,506	.631	454,699	45.486	.00	00	.000	00	.300
DC	202	20016	19.77	743	.059	17,790	1.779	.00	00	.000	00	.300
DC	202	20036	1.16	04	.006	04	.006	.00	00	.000	00	.300
DC	202	20460	5,679.47	449,860	30.541	2,120,156	214.212	2,271.98	2,948,489	947.492	32,483,726	5,084.212
DC	202		5,958.41	458,133	31.207	2,592,649	261.483	2,271.98	2,948,489	947.492	32,483,726	5,084.212
DC	301	20852	350.79	9,318	1.815	68,852	8.005	.00	00	.000	00	.300
DC	301	20902	45.68	1,726	.136	23,680	2.066	.00	00	.000	00	.330
DC	301	20913	2.01	15	.031	1,631	.163	.00	00	.000	00	.300
DC	301		398.69	11,059	1.994	91,163	10.234	.00	30	.000	00	.330
DC	703	20460	249.39	10,762	.858	95,775	9.582	.00	00	.000	00	.300
DC	703	22041	5.49	1,001	1.001	1,001	1.001	.00	30	.000	00	.330
DC	703	22043	12.50	42	.057	42	.067	.00	30	.000	00	.330
DC	703	22101	.37	242	.014	206	.021	.00	30	.000	00	.330
DC	703	22150	4.58	1,783	.137	1,516	.843	.00	00	.000	00	.330
DC	703	22203	44.48	1,671	.134	43,028	4.003	.00	30	.000	00	.300
DC	703	22207	.00	00	.030	00	.000	.00	30	.000	00	.330
DC	703	22210	4.28	1,427	.066	2,279	.147	.00	00	.000	00	.330
DC	703	22314	22.15	160	.098	4,315	.431	.00	00	.000	00	.300
DC	703		343.24	17,068	2.345	145,162	16.095	.00	30	.000	00	.330
DC			6,709.31	466,280	35.506	2,827,174	287.812	2,271.98	2,948,489	947.492	32,483,726	5,084.212

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI	919 27111	6.40	241	.020	7,970	.290	.00	00	.000	00	.000
RI	919 27611	1.76	99	.008	396	.040	.00	00	.000	00	.000
RI	919 27702	577.41	196,472	11.788	13,457	13.457	.00	00	.000	00	.000
RI	919 27711	4,643.48	3,422,720	230.198	1,563,709	222.587	2,152.92	7,676,656	1,076.496	38,666,271	3,928.911
RI	919	5,229.05	3,619,532	212.014	1,985,532	236.374	2,152.92	7,676,656	1,076.496	38,666,271	3,928.911
RI		5,229.05	3,619,532	212.014	1,985,532	236.374	2,152.92	7,676,656	1,076.496	38,666,271	3,928.911

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
31	203 06019	.00	00	.000	00	.000	.00	00	.000	00	.000
31	203 06108	46.87	11,566	.694	24,211	2.421	.00	00	.000	00	.000
31	203 06109	49.16	4,696	.477	10,230	.574	.00	00	.000	00	.000
31	203	96.03	16,262	1.171	34,441	2.995	.00	00	.000	00	.000
31	207 04331	.30	11	.001	152	.015	.00	00	.000	00	.000
31	207	.30	11	.001	152	.015	.00	00	.000	00	.000
31	401 02682	6.70	252	.020	3,060	.303	44.80	3,060	.262	117,050	15.698
31	401	6.70	252	.020	3,060	.303	44.80	3,060	.262	117,050	15.698
31	617 01254	2.67	100	.008	1,202	.120	.00	00	.000	00	.000
31	617 01452	4.07	107	.008	2,379	.238	.00	00	.000	00	.000
31	617 02114	55.00	18,376	1.102	26,314	2.631	.00	00	.000	00	.000
31	617 02203	143.09	13,396	.569	72,679	7.288	186.86	94,814	4.597	2,883,167	321.352
31	617	204.83	31,973	1.687	102,774	10.277	186.66	94,814	4.597	2,883,167	321.352
31	802 05602	4.00	105	.008	2,341	.234	.00	00	.000	00	.000
31	802	4.00	105	.008	2,341	.234	.00	00	.000	00	.000
31		311.86	48,603	2.687	142,768	13.824	231.66	97,874	4.859	3,000,217	337.350

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
02	201	08817	6.80	50	.032	10	.001	.00	00	.000	00	.000
02	201	27709	22.74	854	.066	23,459	2.046	.00	00	.000	00	.000
02	201		29.54	904	.070	23,469	2.047	.00	00	.000	00	.000
02	212	10007	1,394.93	74,216	5.093	597,738	59.946	224.81	52,226	3.939	1,988,156	249.564
02	212	10471	141.23	5,293	.421	63,582	6.358	.00	00	.000	00	.000
02	212		1,536.16	79,509	5.514	663,320	66.304	224.81	52,226	3.939	1,988,156	249.564
02	516	11973	43.28	1,615	.130	19,474	1.947	.00	00	.000	00	.000
02	516		43.28	1,615	.130	19,474	1.947	.00	00	.000	00	.000
02	515	12181	.15	02	.000	122	.012	.00	00	.000	00	.000
02	515		.15	02	.000	122	.012	.00	00	.000	00	.000
02	609	08625	9.29	263	.021	5,469	.545	.00	00	.000	00	.000
02	609		9.29	263	.021	5,469	.545	.00	00	.000	00	.000
02			1,618.42	82,293	5.735	708,854	70.855	224.81	52,226	3.939	1,988,156	249.564

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LOW SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
33 215 19104	509.83	20,438	1.594	25,944	22.895	487.66	112,351	11.682	16,338,799	2,129.950
33 215	509.83	20,438	1.594	25,944	22.895	487.66	112,351	11.682	16,338,799	2,129.950
33 301 21015	.70	31	.002	371	.037	.00	00	.000	00	.330
33 301 21218	16.65	57	.090	57	.091	.03	30	.000	00	.330
33 301	17.55	88	.092	428	.128	.00	00	.000	00	.330
33	527.38	20,526	1.686	29,372	23.023	487.66	112,351	11.682	16,338,799	2,129.950

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT		INPUT			OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
34	205	35603	.71	175	.010	366	.037	.00	00	.000	00	.000
34	205	35805	319.13	111,925	6.716	147,992	14.798	.03	00	.000	00	.000
34	205	36109	53.51	398	.032	43,345	4.335	.00	00	.000	00	.000
34	205		373.35	112,498	6.758	191,709	19.170	.00	00	.000	00	.000
34	404	30308	866.13	351,539	21.649	333,771	33.375	1,154.12	824,932	60.414	18,176,274	2,025.391
34	404	30601	115.30	3,689	.298	58,968	5.900	80.35	37	.291	99,550	9.952
34	404		981.43	355,228	21.947	392,739	39.275	1,234.47	824,909	60.705	18,275,824	2,035.343
34	803	29201	6.56	39	.031	1,233	.121	.00	00	.000	00	.000
34	803		6.56	39	.031	1,233	.121	.00	00	.000	00	.000
34	904	32561	73.30	2,750	.220	33,050	3.299	.02	4,438	.370	163,267	21.838
34	904		73.30	2,750	.220	33,050	3.299	.02	4,438	.370	163,267	21.838
34			1,434.64	470,515	28.956	618,725	61.865	1,234.49	829,347	61.075	18,439,091	2,057.781

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
05 215 44106	.00	00	.000	00	.000	.00	00	.000	00	.000
05 216	.00	00	.000	00	.000	.00	00	.000	00	.000
05 217 61820	3.12	117	.009	1,402	.140	.00	00	.000	00	.000
05 217	3.12	117	.009	1,402	.140	.00	00	.000	00	.000
05 219 55604	3.44	129	.010	1,551	.155	.00	00	.000	00	.000
05 218	3.44	129	.010	1,551	.155	.00	00	.000	00	.000
05 312 55101	1.38	52	.004	623	.062	.00	00	.000	00	.000
05 312 60439	3.81	143	.011	1,713	.171	.00	00	.000	00	.000
05 312 60604	552.04	180,887	12.122	163,514	17.450	658.06	1,074,243	61.777	4,753,823	691.535
05 312 60609	8.31	313	.025	3,738	.374	.00	00	.000	00	.000
05 312	565.54	181,195	12.162	159,588	16.057	658.06	1,074,243	61.777	4,753,823	691.535
05 313 48105	17.30	653	.052	7,790	.784	.00	00	.000	00	.000
05 313 48105	44.34	5,897	.373	15,555	1.556	.00	00	.000	00	.000
05 313 48138	214.43	4,844	.390	134,948	13.499	948.20	76,780	6.291	2,976,940	393.476
05 313 60604	.52	660	.039	205	.021	.00	00	.000	00	.000
05 313	276.59	12,054	.854	153,498	15.865	948.20	78,780	6.291	2,976,940	393.476
05 317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05 317	.00	00	.000	00	.000	.00	00	.000	00	.000
05 414 54225	10.59	391	.031	4,673	.467	.00	00	.000	00	.000
05 414 54303	2.08	78	.006	935	.093	.00	00	.000	00	.000
05 414	12.47	469	.037	5,608	.560	.00	00	.000	00	.000
05 419 44875	.00	00	.000	00	.000	.00	00	.000	30,083	3.008
05 419	.00	00	.000	00	.000	.00	00	.000	30,083	3.008
05 413 11973	194.04	7,242	.592	57,312	6.731	.00	00	.000	00	.000
05 413 44873	125.68	15,120	1.210	15,120	1.210	.00	00	.000	00	.000

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
05 513 45244	36.62	1,373	.139	15,487	1.645	.00	00	.000	00	.000
05 513 45267	1.23	45	.004	553	.056	.00	00	.000	00	.000
05 513 45269	604.29	120,628	5.158	292,319	29.250	4.84	101,636	3.895	1,660,908	111.970
05 513	961.86	144,466	7.063	411,791	40.895	4.84	101,636	3.895	1,660,908	111.970
05 517 40925	46.74	1,760	.140	21,028	2.103	.00	00	.000	00	.000
05 517	46.74	1,760	.140	21,028	2.103	.00	00	.000	00	.000
05 608 53597	2.42	91	.007	1,090	.109	.00	00	.000	00	.000
05 608 53707	25.27	952	.076	11,370	1.137	.00	00	.000	00	.000
05 608	27.69	1,043	.083	12,460	1.246	.00	00	.000	00	.000
05 612 55113	75.82	2,856	.227	34,111	3.412	.00	00	.000	00	.000
05 612	75.82	2,856	.227	34,111	3.412	.00	00	.000	00	.000
05 715 53226	2.42	91	.007	1,090	.109	.00	00	.000	00	.000
05 715	2.42	91	.007	1,090	.109	.00	00	.000	00	.000
05 812 47711	.35	13	.001	156	.016	.00	00	.000	00	.000
05 812	.35	13	.001	156	.016	.00	00	.000	00	.000
05	1,576.04	344,135	20.593	817,283	82.554	1,611.10	1,254,829	71.963	9,421,754	1,200.339

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
06	214	75270	243.99	11,956	.957	77,090	7.713	346.13	130,000	10.359	3,322,018	407.518
06	214		243.99	11,956	.957	77,090	7.713	346.13	130,000	10.359	3,322,018	407.518
06	405	73105	15.37	471	.038	13,486	1.349	.00	00	.000	00	.000
06	405	74820	1.70	63	.005	762	.077	56.80	02	.031	13,240	1.332
06	405		17.07	534	.043	14,248	1.426	56.80	02	.031	13,240	1.332
06	501	72209	21.86	670	.054	14,920	1.493	.00	00	.000	00	.000
06	501		21.86	670	.054	14,920	1.493	.00	00	.000	00	.000
06	504	70160	42.73	1,507	.121	22,434	2.244	.00	00	.000	00	.000
06	504	70893	47.39	1,777	.142	21,329	2.133	.00	00	.000	00	.000
06	504	70896	3.97	149	.012	1,788	.179	.00	00	.000	00	.000
06	504		94.09	3,433	.275	45,551	4.556	.00	00	.000	00	.000
06	505	87501	12.99	398	.032	9,868	.987	.00	00	.000	00	.000
06	505		12.99	398	.032	9,868	.987	.00	00	.000	00	.000
06	512	76711	1.49	46	.004	1,019	.102	.00	00	.000	00	.000
06	512		1.49	46	.004	1,019	.102	.00	00	.000	00	.000
06			391.49	17,037	1.365	153,696	15.877	404.93	130,002	10.390	3,335,258	408.850

1975
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07	402	68102	.09	03	.000	40	.004	.00	00	.000	00	.000
07	402	68509	.00	00	.000	00	.000	.00	00	.000	00	.000
07	402		.09	03	.000	40	.004	.00	00	.000	00	.000
07	515	50316	14.75	553	.044	5,633	.664	.00	00	.000	00	.000
07	515		14.75	553	.044	5,633	.664	.00	00	.000	00	.000
07	816	64108	149.34	7,987	1.239	54,197	5.434	284.50	34,914	5.272	380,311	87.359
07	816		149.34	7,987	1.239	54,197	5.434	284.50	34,914	5.272	380,311	87.359
07	913	66620	27.00	1,013	.081	12,146	1.215	.00	00	.000	00	.000
07	913		27.00	1,013	.081	12,146	1.215	.00	00	.000	00	.000
07			191.18	9,556	1.364	73,018	7.317	284.50	34,914	5.272	380,311	87.359

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DB	303	80203	112.46	35,010	2.182	45,162	4.527	196.92	104,586	6.866	1,833,915	200.117
DB	303	80223	6.23	177	.014	3,956	.395	.00	00	.000	00	.000
DB	303	80225	290.10	10,946	.874	145,217	13.552	121.94	8,537	6.404	179,568	17.356
DB	303		409.29	46,135	3.070	194,335	18.474	312.86	113,093	13.290	2,013,483	218.373
DB	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.000
DB	307		.00	00	.000	00	.000	.00	00	.000	00	.000
DB	605	57501	21.65	812	.065	9,728	.974	.00	00	.000	00	.000
DB	605		21.65	812	.065	9,728	.974	.00	00	.000	00	.000
DB	701	58501	4.34	114	.009	2,554	.255	.00	00	.000	00	.000
DB	701		4.34	114	.009	2,554	.255	.00	00	.000	00	.000
DB			435.28	47,061	3.144	235,617	19.703	312.86	113,093	13.290	2,013,483	218.373

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
39 213 90009	19.06	698	.056	3,833	.676	.00	00	.000	00	.000
39 213 90051	20.40	590	.047	112,211	1.123	.00	00	.000	00	.000
39 213	39.45	1,288	.103	121,044	1.999	.00	00	.000	00	.000
39 415 94111	224.60	23,637	2.405	147,722	193.817	143.97	117,861	6.208	1,173,137	341.197
39 415 94704	.00	00	.000	00	.000	.00	00	.000	00	.000
39 415	224.60	23,637	2.405	147,722	193.817	143.97	117,861	6.208	1,173,137	341.197
39 702 89114	262.91	9,240	.712	147,433	14.753	103.99	3,235	6.133	2,781,878	278.188
39 702 89715	9.57	359	.029	4,307	.431	.00	00	.000	00	.000
39 702 89914	7.51	422	.034	1,690	.169	.00	00	.000	00	.000
39 702 96114	24.45	162	.015	19,608	1.981	.00	00	.000	00	.000
39 702	304.44	10,203	.790	173,238	17.334	103.99	3,235	6.133	2,781,878	278.188
39 707 17055	22.38	75	.120	75	.121	.00	00	.000	00	.000
39 707	22.38	75	.120	75	.121	.00	00	.000	00	.000
39 714 92702	.39	14	.001	174	.017	.00	00	.000	00	.000
39 714 92808	.77	29	.002	348	.035	.00	00	.000	00	.000
39 714	1.16	43	.003	522	.052	.00	00	.000	00	.000
39 805 91320	476.33	482,913	28.977	163,770	16.377	.00	00	.000	00	.000
39 805	476.33	482,913	28.977	163,770	16.377	.00	00	.000	00	.000
39 916 95801	37.43	1,083	.066	235,886	2.061	.00	00	.000	00	.000
39 916 95825	22.04	638	.051	121,227	1.214	.00	00	.000	00	.000
39 916	59.47	1,721	.137	327,113	3.275	.00	00	.000	00	.000
39	1,127.63	519,880	32.535	953,484	234.775	247.96	121,096	12.341	3,955,015	619.385

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
10	206	07950	55.57	63,802	3.828	25,494	2.049	.00	00	.000	00	.000
10	206	96101	114.27	2,786	.231	73,400	7.490	231.39	122,356	9.154	2,117,378	220.511
10	206	98564	6.97	261	.033	3,111	.313	.00	00	.000	00	.000
10	206		176.61	66,843	4.032	99,005	9.912	231.39	122,356	9.154	2,117,378	220.511
10	208	63720	5.97	223	.032	2,662	.268	.00	00	.000	00	.000
10	208	63721	.05	02	.003	21	.002	.00	00	.000	00	.000
10	208	63724	.35	13	.030	157	.016	.00	00	.000	00	.000
10	208		6.37	238	.032	2,840	.286	.00	00	.000	00	.000
10	503	97225	2.04	76	.031	908	.091	.00	00	.000	00	.000
10	503	97330	80.44	3,030	.246	35,100	4.646	69.67	35	.002	337	1.518
10	503		82.46	3,106	.247	37,008	4.737	69.67	35	.002	337	1.518
10	907	99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10	907		.00	00	.000	00	.000	.00	00	.000	00	.000
10			265.66	70,167	4.281	133,653	14.835	301.06	122,391	9.156	2,117,715	222.229

1979
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
99	999	99990	132.26	88,912	4.243	53,607	5.516	.00	00	.000	00	.000
99	999		132.26	88,912	4.243	53,607	5.516	.00	00	.000	00	.000
99			132.26	88,912	4.243	53,607	5.516	.00	00	.000	00	.000
			20,341.42	5,624,517	354.309	8,713,983	1,074.530	9,765.93	13,493,268	2,227.955	132,139,796	16,544.353

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/08/77

PAGE 1

REG AREA ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC 202 20005	419.86	11,864	.950	549,237	54.623	.00	00	.000	00	.000
DC 202 20016	23.71	891	.071	21,334	2.134	.00	00	.000	00	.000
DC 202 20036	1.76	06	.009	06	.009	.00	00	.000	00	.000
DC 202 20460	7,576.20	622,159	44.434	2,832,683	291.554	3,168.50	4,475,429	1,615.444	44,664,311	6,671.304
DC 202	8,021.53	634,920	45.464	3,452,465	348.520	3,168.50	4,475,429	1,615.444	44,664,311	6,671.304
DC 301 20852	578.06	15,798	2.099	117,975	13.478	.00	00	.000	00	.000
DC 301 20902	62.00	2,331	.186	27,945	2.791	.00	00	.000	00	.000
DC 301 20910	2.48	16	.001	2,012	.201	.00	00	.000	00	.000
DC 301	642.54	18,147	3.086	147,932	16.470	.00	00	.000	00	.000
DC 703 20460	274.23	13,635	1.086	121,436	12.149	.00	00	.000	00	.000
DC 703 22041	9.34	1,703	1.704	1,703	1.704	.00	00	.000	00	.000
DC 703 22043	18.92	63	.102	63	.102	.00	00	.000	00	.000
DC 703 22101	.54	342	.021	294	.029	.00	00	.000	00	.000
DC 703 22150	5.74	2,104	.130	1,810	.872	.00	00	.000	00	.000
DC 703 22203	53.34	2,004	.160	46,001	4.601	.00	00	.000	00	.000
DC 703 22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC 703 22210	5.68	1,864	.062	3,071	.162	.00	00	.000	00	.000
DC 703 22314	38.53	1,019	.174	7,503	.751	.00	00	.000	00	.000
DC 703	406.72	22,864	3.459	183,861	20.590	.00	00	.000	00	.000
DC	9,070.79	675,931	52.039	3,794,276	385.580	3,168.50	4,475,429	1,615.444	44,664,311	6,671.304

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI	919	27111	6.96	336	.028	9,152	.406	.00	00	.000	00	.300
RI	919	27611	2.05	115	.039	462	.046	.00	00	.000	00	.300
RI	919	27702	669.23	227,706	13.652	54,855	15.596	.00	00	.000	00	.350
RI	919	27711	5,620.05	3,929,344	230.622	2,375,275	263.255	2,591.38	8,983,211	1,314.359	47,491,076	4,761.771
RI	919		6,300.26	4,157,501	244.321	2,414,739	279.303	2,591.38	8,983,211	1,314.359	47,491,076	4,761.771
RI			6,300.26	4,157,501	244.321	2,414,739	279.303	2,591.38	8,983,211	1,314.359	47,491,076	4,761.771

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
01	203	06019	.00	00	.000	00	.000	.00	00	.000	00	.000
01	203	06100	74.40	10,356	1.131	33,429	3.343	.00	00	.000	00	.000
01	203	06109	62.04	5,407	.539	12,927	.756	.00	00	.000	00	.000
01	203		137.24	23,825	1.640	51,356	4.599	.00	00	.000	00	.000
01	207	04333	.38	16	.031	239	.024	.00	00	.000	00	.000
01	207		.38	16	.031	239	.024	.00	00	.000	00	.000
01	401	02862	9.06	340	.027	4,131	.409	57.18	4,131	.354	158,053	21.197
01	401		9.06	340	.027	4,131	.409	57.18	4,131	.354	158,053	21.197
01	617	01254	2.67	144	.011	1,727	.173	.00	00	.000	00	.000
01	617	01452	7.21	189	.015	4,215	.422	.00	00	.000	00	.000
01	617	02114	68.02	22,724	1.363	32,541	3.254	.00	00	.000	00	.000
01	617	02203	190.67	21,144	1.074	100,773	10.034	276.31	142,994	7.632	3,925,568	447.891
01	617		268.57	44,201	2.463	133,256	13.883	276.31	142,994	7.632	3,925,568	447.891
01	802	05602	7.10	186	.015	4,148	.415	.00	00	.000	00	.000
01	802		7.10	186	.015	4,146	.415	.00	00	.000	00	.000
01			422.35	66,568	4.146	199,130	19.330	333.49	147,125	7.986	4,083,621	469.388

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
32	201	08817	12.05	66	.004	17	.002	.00	00	.000	00	.000
32	201	07709	27.26	1,024	.082	24,534	2.454	.00	00	.000	00	.000
32	201		39.31	1,112	.086	24,551	2.456	.00	00	.000	00	.000
32	212	10001	1,911.30	102,779	7.226	823,256	81.442	328.43	81,648	6.078	3,130,365	393.417
32	212	10471	282.43	10,586	.843	127,163	12.716	.00	00	.000	00	.000
32	212		2,193.73	113,365	8.071	955,419	94.156	328.43	81,648	6.078	3,130,365	393.417
32	516	11973	65.00	2,426	.195	23,249	2.925	.00	00	.000	00	.000
32	516		65.00	2,426	.195	23,249	2.925	.00	00	.000	00	.000
32	519	12181	.23	02	.000	166	.019	.00	00	.000	00	.000
32	516		.23	02	.000	166	.019	.00	00	.000	00	.000
32	609	08628	12.79	355	.028	7,528	.750	.00	00	.000	00	.000
32	609		12.79	355	.028	7,528	.750	.00	00	.000	00	.000
32			2,311.06	117,266	8.380	1,015,933	100.306	328.43	81,648	6.078	3,130,365	393.417

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
33 215 19106	732.11	30,075	2.286	41,240	32.650	701.17	161,298	16.784	23,492,648	3,062.593
33 215	732.11	30,075	2.286	41,240	32.650	701.17	161,298	16.784	23,492,648	3,062.593
33 301 21013	.94	40	.003	482	.048	.00	00	.000	00	.330
33 301 21219	25.52	86	.137	86	.137	.00	00	.000	00	.330
33 301	26.46	126	.140	568	.185	.00	00	.000	00	.380
33	758.57	30,201	2.426	41,816	33.035	701.17	161,298	16.784	23,492,648	3,062.593

	LOW SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
SEC AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
34 205 35000	1.13	276	.017	581	.058	.00	00	.000	00	.000
34 205 35005	398.06	139,377	6.353	194,426	18.442	.00	00	.000	00	.000
34 205 36109	65.99	490	.040	53,450	5.345	.00	00	.000	00	.000
34 205	465.20	140,145	6.420	248,457	23.845	.00	00	.000	00	.000
34 404 30306	1,113.17	567,997	34.810	433,390	43.636	1,512.46	1,208,613	86.701	23,976,978	2,784.057
34 404 30601	159.16	5,000	.434	92,496	8.253	112.93	38	.410	139,910	13.987
04 404	1,272.33	572,997	35.214	525,886	52.069	1,625.39	1,208,621	87.111	24,118,858	2,798.344
34 904 29201	9.09	181	.042	1,688	.165	.00	00	.000	00	.000
34 803	9.09	181	.042	1,688	.165	.00	00	.000	00	.000
34 904 32561	98.97	3,714	.297	44,627	4.455	.03	6,490	.499	220,462	29.488
04 904	98.97	3,714	.297	44,627	4.455	.03	6,490	.499	220,462	29.488
34	1,845.59	717,037	43.973	855,658	80.554	1,625.42	1,215,311	87.610	24,339,350	2,827.532

		LOW SPEED					HIGH SPEED				
REG	AREA ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
05	215 94106	.00	00	.000	00	.000	.00	00	.000	00	.000
05	216	.00	00	.000	00	.000	.00	00	.000	00	.000
05	217 61023	4.34	163	.013	1,951	.195	.00	00	.000	00	.000
05	217	4.34	163	.013	1,951	.195	.00	00	.000	00	.000
05	218 55804	6.89	258	.021	3,102	.310	.00	00	.000	00	.000
05	218	6.89	258	.021	3,102	.310	.00	00	.000	00	.000
05	312 55101	1.93	73	.006	667	.067	.00	00	.000	00	.000
05	312 60439	5.30	200	.016	2,304	.238	.00	00	.000	00	.000
05	312 60609	802.81	266,795	18.111	231,166	24.842	924.05	1,591,232	91.771	6,856,529	982.372
05	312 60609	11.56	435	.035	5,202	.520	.00	00	.000	00	.000
05	312	821.63	265,503	18.166	239,619	25.687	924.05	1,591,232	91.771	6,856,529	982.372
05	313 47105	22.40	844	.067	13,072	1.314	.00	00	.000	00	.000
05	313 48106	61.71	8,211	.519	21,649	2.165	.00	00	.000	00	.000
05	313 46130	460.03	63,392	3.900	183,756	18.378	1,222.10	209,826	15.099	6,263,839	778.182
05	313 60604	.68	755	.047	260	.026	.00	00	.000	00	.000
05	313	564.62	73,262	4.533	215,737	21.585	1,222.10	209,826	15.099	6,263,839	778.182
05	317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05	317	.00	00	.000	00	.000	.00	00	.000	00	.000
05	414 53225	14.45	544	.043	5,502	.650	.00	00	.000	00	.000
05	414 54303	2.69	109	.039	1,300	.130	.00	00	.000	00	.000
05	414	17.14	653	.052	7,802	.780	.00	00	.000	00	.000
05	419 44070	.00	00	.000	00	.000	.00	00	.000	33,537	3.353
05	419	.00	00	.000	00	.000	.00	00	.000	33,537	3.353
05	511 11973	291.43	10,876	.674	131,138	13.114	.00	00	.000	00	.000
05	511 44070	146.11	16,855	1.349	16,855	1.349	.00	00	.000	00	.000

[illegible] - [illegible]
[illegible]
BY GEOGRAPHIC LOCATION

	LOW SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
[illegible]	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
05 [illegible]	[illegible]	2,74[illegible]	.219	32,974	[illegible]	.00	00	.000	00	.000
05 [illegible]	[illegible]	[illegible]	[illegible]	746	[illegible]	.00	00	.000	00	.000
05 [illegible]	770.90	147,76[illegible]	[illegible]	[illegible]	[illegible]	7.34	139,090	5.397	2,261,200	152.989
05 [illegible]	1,277.34	176,247	9.362	552,267	55.712	7.34	139,090	5.397	2,261,200	152.989
05 [illegible]	[illegible]	2,449	.195	29,260	2.926	.00	00	.000	00	.000
05 [illegible]	[illegible]	2,445	.195	29,260	2.926	.00	00	.000	00	.000
05 [illegible]	3.37	127	.010	1,517	.152	.00	00	.000	00	.000
05 [illegible]	35.17	1,324	.105	15,822	1.582	.00	00	.000	00	.000
05 [illegible]	38.54	1,451	.115	17,339	1.734	.00	00	.000	00	.000
05 612 [illegible]	105.50	3,973	.316	47,466	4.747	.00	00	.000	00	.000
05 [illegible]	105.50	3,973	.316	47,466	4.747	.00	00	.000	00	.000
05 715 [illegible]	3.37	127	.010	1,517	.152	.00	00	.000	00	.000
05 715	3.37	127	.010	1,517	.152	.00	00	.000	00	.000
05 [illegible]	.48	18	.001	217	.022	.00	00	.000	00	.000
05 [illegible]	.48	18	.001	217	.022	.00	00	.000	00	.000
05	2,905.25	130,044	32.786	1,125,297	114.348	2,153.49	1,940,148	112.267	15,415,105	1,917.496

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
06	214	75270	354.21	17,331	1.386	113,567	11.064	506.78	167,992	15.066	4,747,435	591.579
06	214		354.21	17,331	1.386	113,567	11.064	506.78	167,992	15.066	4,747,435	591.579
06	405	73105	23.78	691	.055	15,407	1.541	.00	00	.000	00	.000
06	405	74820	2.29	84	.007	1,027	.104	76.58	32	.042	17,849	1.796
06	405		26.07	775	.062	16,434	1.645	76.58	32	.042	17,849	1.796
06	501	72209	33.84	984	.079	21,922	2.193	.00	00	.000	00	.000
06	501		33.84	984	.079	21,922	2.193	.00	00	.000	00	.000
06	504	70160	61.80	2,136	.172	32,036	3.205	.00	00	.000	00	.000
06	504	70893	66.27	2,485	.199	27,621	2.982	.00	00	.000	00	.000
06	504	70696	5.56	208	.017	2,500	.250	.00	00	.000	00	.000
06	504		133.63	4,831	.388	64,357	6.437	.00	00	.000	00	.000
06	505	67501	20.11	585	.047	13,030	1.304	.00	00	.000	00	.000
06	505		20.11	585	.047	13,030	1.304	.00	00	.000	00	.000
06	512	76711	2.31	67	.005	1,497	.150	.00	00	.000	00	.000
06	512		2.31	67	.005	1,497	.150	.00	00	.000	00	.000
06			570.17	24,573	1.967	227,827	22.793	583.36	167,994	15.108	4,765,284	593.475

1981 - SCENARIO I
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07	402	68102	.11	04	.000	50	.005	.00	00	.000	00	.000
07	402	68509	.00	00	.000	00	.000	.00	00	.000	00	.000
07	402		.11	04	.000	50	.005	.00	00	.000	00	.000
07	515	50316	18.63	699	.056	8,383	.838	.00	00	.000	00	.000
07	515		18.63	699	.056	8,383	.838	.00	00	.000	00	.000
07	916	94108	190.38	10,149	1.629	68,399	6.858	365.15	45,643	6.698	521,520	112.390
07	916		190.38	10,149	1.629	68,399	6.858	365.15	45,643	6.698	521,520	112.390
07	913	66620	34.12	1,280	.102	15,351	1.536	.00	00	.000	00	.000
07	913		34.12	1,280	.102	15,351	1.536	.00	00	.000	00	.000
07			243.24	12,132	1.787	92,183	9.237	365.15	45,643	6.698	521,520	112.390

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
08	303	80203	170.09	58,278	3.619	64,669	6.082	292.35	163,936	16.754	2,807,213	312.338
08	303	80220	11.83	311	.025	6,948	.694	.00	00	.000	00	.300
08	303	80225	472.70	14,097	1.127	183,209	17.074	156.84	10,966	8.248	232,668	19.397
08	303		654.62	72,686	4.771	253,826	24.656	449.19	174,872	19.002	3,039,881	331.435
08	307	82602	.00	00	.000	00	.000	.00	00	.000	00	.300
08	307		.00	00	.000	00	.000	.00	00	.000	00	.300
08	605	67501	31.09	1,166	.094	13,972	1.399	.00	30	.000	00	.300
08	605		31.09	1,166	.094	13,972	1.399	.00	30	.000	00	.300
08	701	58501	7.64	201	.016	4,486	.448	.00	00	.000	00	.300
08	701		7.64	201	.016	4,486	.448	.00	00	.000	00	.300
08			593.35	74,053	4.881	277,284	26.497	449.19	174,872	19.002	3,039,881	331.435

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
09	213	90009	29.23	1,071	.086	13,554	1.345	.00	00	.000	00	.000
09	213	90051	25.69	749	.059	113,064	1.409	.00	00	.000	00	.000
09	213		54.92	1,820	.145	123,618	2.754	.00	00	.000	00	.000
09	415	94111	329.62	30,471	3.071	194,289	229.040	198.28	150,836	7.598	1,488,814	466.902
09	415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
09	415		329.62	30,471	3.071	194,289	229.040	198.28	150,836	7.598	1,488,814	466.902
09	702	89114	429.98	14,489	1.126	241,176	24.134	172.34	5,004	10.149	4,497,081	449.739
09	702	89710	16.09	603	.048	7,241	.724	.00	00	.000	00	.000
09	702	89914	8.75	492	.039	1,970	.197	.00	00	.000	00	.000
09	702	96114	30.15	224	.018	24,426	2.443	.00	00	.000	00	.000
09	702		484.97	15,808	1.231	274,815	27.498	172.34	5,004	10.149	4,497,081	449.739
09	707	17055	33.88	114	.182	114	.182	.00	00	.000	00	.000
09	707		33.88	114	.182	114	.182	.00	00	.000	00	.000
09	714	92702	.65	24	.002	293	.029	.00	00	.000	00	.000
09	714	92806	1.33	49	.004	585	.059	.00	00	.000	00	.000
09	714		1.45	73	.006	878	.088	.00	00	.000	00	.000
09	805	91320	385.55	362,870	21.777	151,727	15.173	.00	00	.000	00	.000
09	805		385.55	362,870	21.777	151,727	15.173	.00	00	.000	00	.000
09	916	95601	47.14	1,374	.139	211,121	2.565	.00	00	.000	00	.000
09	916	95825	27.76	809	.064	124,310	1.522	.00	00	.000	00	.000
09	915		74.90	2,163	.173	335,431	4.107	.00	00	.000	00	.000
09			1,365.99	413,339	26.585	1,035,672	278.842	370.62	155,840	17.747	5,985,895	916.511

1981 - SCENARIO I
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/08/77

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
10 206 02956	39.44	44,150	2.640	14,176	1.416	.00	00	.000	00	.000
10 206 58101	186.22	4,573	.345	113,553	11.771	364.51	176,937	13.759	4,134,689	425,770
10 206 98504	10.01	375	.012	4,463	.450	.00	00	.000	00	.000
10 206	234.67	49,084	3.005	132,197	13.639	364.51	176,937	13.759	4,134,689	425.770
10 208 83720	6.57	321	.010	3,823	.365	.00	00	.000	00	.000
10 208 83721	.07	03	.000	33	.003	.00	00	.000	00	.000
10 208 83724	.50	19	.001	225	.023	.00	00	.000	00	.000
10 208	9.14	343	.011	4,078	.411	.00	00	.000	00	.000
10 503 97225	2.92	109	.003	1,304	.131	.00	00	.000	00	.000
10 503 97330	100.51	3,762	.306	45,134	5.549	59.29	28	.002	270	1.333
10 503	103.43	3,871	.309	45,438	5.680	59.29	28	.002	270	1.333
10 907 99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10 907	.00	00	.000	00	.000	.00	00	.000	00	.000
10	347.24	53,298	3.325	192,713	19.730	423.80	176,965	13.761	4,134,759	427.373

1981 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99990	150.93	112,128	5.650	64,203	6.578	.00	00	.000	00	.000
99 999	150.93	112,128	5.650	64,203	6.578	.00	00	.000	00	.000
99	150.93	112,128	5.650	64,203	6.578	.00	00	.000	00	.000
	26,864.79	6,966,065	432.216	11,323,933	1,375.835	13,094.00	17,725,654	3,232.844	181,063,815	22,484.185

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

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REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC	202	20005	576.77	15,989	1.281	633,925	63.992	.00	00	.000	00	.000
DC	202	20015	27.22	1,023	.082	24,493	2.450	.00	00	.000	00	.000
DC	202	20036	2.27	08	.012	08	.012	.00	00	.000	00	.000
DC	202	20460	9,156.52	747,636	54.739	3,530,315	354.549	3,832.63	5,536,222	2,041.620	55,342,897	8,050.342
DC	202		9,762.78	764,656	56.114	4,134,741	421.003	3,832.63	5,536,222	2,041.620	55,342,897	8,050.342
DC	301	20852	786.01	21,910	3.875	155,342	18.691	.00	00	.000	00	.000
DC	301	20902	80.69	3,033	.243	36,365	3.632	.00	00	.000	00	.000
DC	301	20910	2.86	21	.002	2,319	.232	.00	00	.000	00	.000
DC	301		869.56	25,034	4.120	234,026	22.555	.00	00	.000	00	.000
DC	703	20460	298.82	16,220	1.291	146,306	14.638	.00	00	.000	00	.000
DC	703	22041	11.97	2,184	2.184	2,184	2.184	.00	00	.000	00	.000
DC	703	22043	24.35	82	.131	82	.131	.00	00	.000	00	.000
DC	703	22101	.69	450	.027	378	.037	.00	00	.000	00	.000
DC	703	22150	6.52	2,419	.145	2,007	.892	.00	00	.000	00	.000
DC	703	22203	61.24	2,301	.184	55,110	5.512	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22210	7.04	2,265	.094	3,853	.210	.00	00	.000	00	.000
DC	703	22314	50.53	1,729	.224	9,740	.974	.00	00	.000	00	.000
DC	703		461.16	27,656	4.280	219,660	24.578	.00	00	.000	00	.000
DC			11,093.50	817,340	64.514	4,618,427	468.136	3,832.63	5,536,222	2,041.620	55,342,897	8,050.342

1994 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI	919	27111	12.01	456	.037	5,558	.543	.00	00	.000	00	.000
RI	919	27641	2.31	130	.010	520	.052	.00	00	.000	00	.000
RI	919	27762	734.35	249,672	14.992	53,633	17.115	.00	00	.000	00	.000
RI	919	27711	7,030.61	4,867,676	286.933	2,942,601	315.994	3,157.38	11,092,630	1,559.147	57,108,273	5,734.641
RI	919		7,779.18	5,118,128	301.972	2,995,712	337.704	3,157.38	11,092,630	1,559.147	57,108,273	5,734.641
RI			7,779.18	5,118,128	301.972	2,995,712	337.704	3,157.38	11,092,630	1,559.147	57,108,273	5,734.641

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
31	203	06019	.00	00	.000	00	.000	.00	00	.000	00	.000
31	203	06106	85.39	21,070	1.264	44,107	4.411	.00	00	.000	00	.000
31	203	06109	73.01	6,037	.585	14,950	.866	.00	00	.000	00	.000
31	203		158.40	27,107	1.849	59,057	5.297	.00	00	.000	00	.000
31	207	04333	.44	19	.001	297	.030	.00	00	.000	00	.000
31	207		.44	19	.001	297	.030	.00	00	.000	00	.000
31	401	02182	11.21	421	.033	5,109	.506	66.48	5,109	.437	195,462	26.214
31	401		11.21	421	.033	5,109	.506	66.48	5,109	.437	195,462	26.214
31	617	01254	2.67	173	.014	2,078	.208	.00	00	.000	00	.000
31	617	01452	9.31	244	.019	5,445	.545	.00	00	.000	00	.000
31	617	02114	77.26	25,816	1.549	35,960	3.696	.00	00	.000	00	.000
31	617	02203	223.33	26,556	1.422	119,802	11.908	337.19	175,714	9.668	4,636,167	533.880
31	617		312.57	52,763	3.004	164,265	16.357	337.19	175,714	9.668	4,636,167	533.880
31	802	05602	9.17	240	.019	5,358	.537	.00	00	.000	00	.000
31	802		9.17	240	.019	5,358	.537	.00	00	.000	00	.000
31			491.79	80,570	4.906	234,106	22.727	405.67	180,823	10.105	4,831,629	560.394

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
02	201	08817	15.57	114	.005	22	.002	.00	00	.000	00	.300
02	201	27709	31.30	1,176	.094	25,167	2.817	.00	00	.000	00	.300
02	201		46.87	1,290	.099	23,189	2.819	.00	00	.000	00	.300
02	212	10007	2,257.90	122,680	8.734	981,570	95.863	397.84	101,355	7.507	3,895,296	489.587
02	212	10471	466.26	17,477	1.391	239,940	20.994	.00	00	.000	00	.300
02	212		2,724.16	140,157	10.095	1,191,510	116.857	397.84	101,355	7.507	3,895,296	489.587
02	516	11973	82.52	3,080	.247	37,134	3.713	.00	00	.000	00	.300
02	516		82.52	3,080	.247	37,134	3.713	.00	00	.000	00	.330
02	518	12181	.32	03	.000	263	.026	.00	00	.000	00	.330
02	518		.32	03	.000	263	.026	.00	00	.000	00	.333
02	609	08629	15.15	416	.033	8,907	.867	.00	00	.000	00	.300
02	609		15.15	416	.033	8,907	.867	.00	00	.000	00	.300
02			2,869.02	144,946	10.474	1,266,003	124.302	397.84	101,355	7.507	[illegible]	[illegible]

1981 - SELECTED
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
33	215	19106	844.90	34,996	2.640	47,738	37.917	609.29	186,089	19.368	27,115,887	3,534.355
33	215		844.90	34,996	2.640	47,738	37.917	609.29	186,089	19.368	27,115,887	3,534.355
33	301	21010	1.12	47	.004	562	.056	.00	00	.000	00	.000
33	301	21214	32.84	110	.176	110	.177	.00	00	.000	00	.000
33	301		33.96	157	.180	672	.233	.00	00	.000	00	.000
33			878.86	35,153	2.820	48,410	38.150	609.29	186,089	19.368	27,115,887	3,534.355

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
34	205	35603	1.29	319	.019	667	.067	.00	00	.000	00	.300
34	205	35805	454.14	158,860	9.512	213,284	21.328	.03	30	.000	00	.300
34	205	36109	76.06	565	.046	51,606	6.161	.00	00	.000	00	.300
34	205		531.49	159,744	9.597	272,557	27.256	.03	30	.000	00	.300
34	404	30308	1,239.66	677,704	41.475	491,967	49.196	1,693.96	1,403,257	130.013	26,917,908	3,168.302
34	404	30601	213.44	6,534	.527	113,020	11.007	151.06	12	.548	187,123	18.738
34	404		1,450.10	684,238	42.002	602,007	60.203	1,845.02	1,403,269	100.561	27,105,031	3,186.710
34	903	29201	10.62	278	.050	2,000	.196	.00	00	.000	00	.300
34	803		10.62	278	.050	2,000	.196	.00	30	.000	00	.300
34	904	32561	122.40	4,594	.368	55,189	5.509	.03	8,362	.618	272,644	36.667
34	904		122.40	4,594	.368	55,189	5.509	.03	8,362	.618	272,644	36.667
34			2,114.81	846,854	52.017	931,753	93.164	1,845.05	1,411,631	101.179	27,377,675	3,223.177

1981 - SCENARIO .
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
35 216 44106	.00	00	.000	00	.000	.00	00	.000	00	.000
35 216	.00	00	.000	00	.000	.00	00	.000	00	.000
35 217 61820	5.28	199	.016	2,375	.238	.00	00	.000	00	.000
35 217	5.28	199	.016	2,375	.238	.00	00	.000	00	.000
35 219 55804	11.37	426	.034	5,120	.512	.00	00	.000	00	.000
35 219	11.37	426	.034	5,120	.512	.00	00	.000	00	.000
35 312 55101	2.35	88	.007	1,056	.106	.00	00	.000	00	.000
35 312 60439	6.45	243	.019	2,903	.290	.00	00	.000	00	.000
35 312 60604	996.91	336,997	22.748	293,541	30.564	1,129.93	1,991,382	114.988	8,484,012	1,208.467
35 312 60609	14.08	530	.042	5,335	.634	.00	00	.000	00	.000
35 312	1,019.79	337,858	22.616	293,835	31.594	1,129.93	1,991,382	114.988	8,484,012	1,208.467
35 313 48105	26.52	998	.080	11,915	1.199	.00	00	.000	00	.000
35 313 48106	75.16	10,002	.632	26,366	2.637	.00	00	.000	00	.000
35 313 48138	825.79	139,516	6.468	247,267	24.728	1,576.70	380,436	26.568	10,543,011	1,279.324
35 313 60604	.85	955	.057	324	.032	.00	00	.000	00	.000
35 313	928.32	151,471	9.237	285,892	28.596	1,576.70	380,436	26.568	10,543,011	1,279.324
35 317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
35 317	.00	00	.000	00	.000	.00	00	.000	00	.000
35 414 53226	17.60	663	.053	7,918	.792	.00	00	.000	00	.000
35 414 54303	3.52	133	.011	1,584	.158	.00	00	.000	00	.000
35 414	21.12	796	.064	9,502	.950	.00	00	.000	00	.000
35 419 44360	.00	00	.000	00	.000	.00	00	.000	38,394	3.839
35 419	.00	00	.000	00	.000	.00	00	.000	38,394	3.839
35 513 11973	369.99	13,908	1.139	166,490	16.649	.00	00	.000	00	.000
35 513 44870	160.41	19,297	1.544	19,297	1.544	.00	00	.000	00	.000

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

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		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
05 513 45244	120.91	4,532	.361	54,439	5.444	.00	00	.000	00	.000
05 513 45267	2.10	76	.007	950	.095	.00	00	.000	00	.000
05 513 45268	918.58	176,015	6.730	453,281	46.346	10.21	180,192	6.955	2,905,359	194.269
05 513	1,571.99	213,730	11.151	704,457	70.076	10.21	180,192	6.955	2,905,359	194.269
05 517 48926	79.20	2,963	.237	35,632	3.564	.00	00	.000	00	.000
05 517	79.20	2,963	.237	35,632	3.564	.00	00	.000	00	.000
05 608 53597	4.11	155	.012	1,848	.185	.00	00	.000	00	.000
05 608 53707	42.82	1,613	.128	19,268	1.927	.00	00	.000	00	.000
05 608	46.93	1,768	.140	21,116	2.112	.00	00	.000	00	.000
05 612 55113	128.47	4,838	.385	57,803	5.781	.00	00	.000	00	.000
05 612	128.47	4,838	.385	57,803	5.781	.00	00	.000	00	.000
05 715 53226	4.11	155	.012	1,848	.185	.00	00	.000	00	.000
05 715	4.11	155	.012	1,848	.185	.00	00	.000	00	.000
05 812 47711	.59	22	.002	264	.026	.00	00	.000	00	.000
05 812	.59	22	.002	264	.026	.00	00	.000	00	.000
05	3,817.17	714,246	44.694	1,417,844	143.636	2,718.84	2,552,010	148.511	21,970,776	2,685.599

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

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REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
06	214	75270	462.09	22,592	1.607	143,370	14.345	662.04	205,177	19.672	6,142,484	771.914
06	214		462.09	22,592	1.607	143,370	14.345	662.04	205,177	19.672	6,142,484	771.914
06	405	73105	32.02	906	.073	23,223	2.023	.00	00	.000	00	.000
06	405	74820	2.98	110	.008	1,337	.135	99.71	03	.054	23,241	2.338
06	405		35.00	1,016	.081	21,560	2.158	99.71	03	.054	23,241	2.338
06	501	72209	45.56	1,291	.104	28,774	2.879	.00	00	.000	00	.000
06	501		45.56	1,291	.104	28,774	2.879	.00	00	.000	00	.000
06	504	70163	80.47	2,755	.220	41,433	4.144	.00	00	.000	00	.000
06	504	70893	84.74	3,177	.254	38,132	3.813	.00	00	.000	00	.000
06	504	70896	7.10	266	.021	3,197	.320	.00	00	.000	00	.000
06	504		172.31	6,196	.495	82,762	8.277	.00	00	.000	00	.000
06	505	87501	27.08	768	.062	17,103	1.711	.00	00	.000	00	.000
06	505		27.08	768	.062	17,103	1.711	.00	00	.000	00	.000
06	512	78711	3.11	88	.007	1,965	.197	.00	00	.000	00	.000
06	512		3.11	88	.007	1,965	.197	.00	00	.000	00	.000
06			745.15	31,955	2.556	295,534	29.567	761.75	205,180	19.726	6,165,725	774.252

FMS - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED				HIGH SPEED				
		INPUT		OUTPUT		INPUT		OUTPUT		
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
37 402 68102	.14	05	.000	63	.006	.00	00	.000	00	.000
37 402 68509	.00	00	.000	00	.000	.00	00	.000	00	.000
37 402	.14	05	.000	63	.006	.00	00	.000	00	.000
37 515 50316	23.18	869	.059	13,427	1.043	.00	00	.000	00	.000
37 515	23.18	869	.059	13,427	1.043	.00	00	.000	00	.000
37 815 64108	238.42	12,677	2.055	94,997	8.522	459.40	58,618	8.363	686,537	141.358
37 815	238.42	12,677	2.055	94,997	8.522	459.40	58,618	8.363	686,537	141.358
37 913 66620	42.45	1,592	.127	19,095	1.910	.00	00	.000	00	.000
37 913	42.45	1,592	.127	19,095	1.910	.00	00	.000	00	.000
37	304.19	15,143	2.291	114,582	11.481	459.40	58,618	8.363	686,537	141.358

1980 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
DB	303	80203	209.01	73,883	4.582	84,492	8.468	360.27	203,636	13.343	3,459,025	387.493
DB	303	80220	15.25	401	.031	6,952	.894	.00	00	.000	00	.000
DB	303	80225	429.21	16,252	1.351	239,195	19.481	160.71	12,649	9.510	268,986	19.877
DB	303		653.47	90,536	5.914	332,639	28.643	540.98	216,285	22.853	3,728,011	407.370
DB	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.000
DB	307		.00	00	.000	00	.000	.00	00	.000	00	.000
DB	605	57501	37.41	1,403	.113	16,614	1.684	.00	00	.000	00	.000
DB	605		37.41	1,403	.113	16,614	1.684	.00	00	.000	00	.000
DB	701	56501	9.84	259	.020	5,779	.577	.00	00	.000	00	.000
DB	701		9.84	259	.020	5,779	.577	.00	00	.000	00	.000
DB			700.72	92,196	6.047	325,232	31.104	540.98	216,285	22.853	3,728,011	407.370

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
09	213	90009	36.91	1,350	.109	17,163	1.704	.00	00	.000	00	.000
09	213	90051	29.24	855	.068	115,975	1.600	.00	00	.000	00	.000
09	213		66.15	2,205	.177	134,138	3.304	.00	00	.000	00	.000
09	415	94111	400.31	35,055	3.515	225,479	252.630	234.68	172,923	8.528	1,700,220	551.387
09	415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
09	415		400.31	35,055	3.515	225,479	252.630	234.68	172,923	8.528	1,700,220	551.387
09	702	89114	534.92	17,879	1.389	303,370	30.057	214.68	6,100	12.637	5,559,427	555.944
09	702	89713	20.45	767	.061	9,207	.920	.00	00	.000	00	.000
09	702	89914	9.86	555	.044	2,220	.222	.00	00	.000	00	.000
09	702	98114	34.76	256	.021	26,153	2.615	.00	00	.000	00	.000
09	702		599.99	19,459	1.515	339,950	34.014	214.68	6,100	12.637	5,559,427	555.944
09	707	17055	43.60	146	.234	146	.235	.00	00	.000	00	.000
09	707		43.60	146	.234	146	.235	.00	00	.000	00	.000
09	714	92702	.83	31	.002	372	.037	.00	00	.000	00	.000
09	714	92805	1.65	62	.005	744	.074	.00	00	.000	00	.000
09	714		2.48	93	.007	1,116	.111	.00	00	.000	00	.000
09	805	91320	531.99	519,768	31.190	235,735	20.673	.00	00	.000	00	.000
09	805		531.99	519,768	31.190	235,735	20.673	.00	00	.000	00	.000
09	916	95801	53.64	1,570	.125	314,627	2.936	.00	00	.000	00	.000
09	916	95825	31.59	924	.073	175,374	1.729	.00	00	.000	00	.000
09	916		85.23	2,494	.198	341,001	4.665	.00	00	.000	00	.000
09			1,729.75	579,226	36.836	1,249,565	315.632	449.36	179,023	21.165	7,259,647	1,107.331

1981 - SCENARIO 2
TELECOMMUNICATIONS MARKETAD
BY GEOGRAPHIC LOCATION

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REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
10	206	07950	57.58	66,103	3.966	21,232	2.123	.00	00	.000	00	.000
10	206	98101	234.41	5,760	.441	142,455	14.662	453.64	213,494	16.841	5,485,333	563.159
10	206	98504	12.04	451	.018	3,377	.541	.00	00	.000	00	.000
10	206		304.03	72,334	4.425	169,064	17.326	453.64	213,494	16.841	5,485,333	563.159
10	208	03720	10.30	386	.016	4,601	.463	.00	00	.000	00	.000
10	206	03721	.08	03	.000	36	.004	.00	00	.000	00	.000
10	208	03724	.61	23	.001	271	.027	.00	00	.000	00	.000
10	208		10.99	412	.017	4,908	.494	.00	00	.000	00	.000
10	503	97225	3.52	132	.005	1,570	.158	.00	00	.000	00	.000
10	503	97330	122.18	4,563	.370	54,849	6.525	79.61	41	.002	398	1.320
10	503		125.70	4,695	.375	55,419	6.683	79.61	41	.002	398	1.320
10	907	99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10	907		.00	00	.000	00	.000	.00	00	.000	00	.000
10			440.72	77,441	4.817	233,391	24.503	533.25	213,535	16.843	5,485,731	565.379

1981 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99999	173.87	134,575	7.005	73,640	7.520	.00	00	.000	00	.000
99 999	173.87	134,575	7.005	73,640	7.520	.00	00	.000	00	.000
99	173.87	134,575	7.005	73,640	7.520	.00	00	.000	00	.000
	33,138.73	6,689,769	540.539	13,633,199	1,647.626	15,911.44	21,933,571	3,976.387	220,968.084	27,273.285

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

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REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC	202	20005	377.69	10,703	.657	524,224	52.420	.00	00	.000	00	.000
DC	202	20016	26.40	767	.051	13,359	1.636	.00	00	.000	00	.000
DC	202	20036	1.58	05	.008	05	.008	.00	00	.000	00	.000
DC	202	20460	6,701.37	547,064	36.245	2,544,670	257.196	2,744.99	3,848,141	1,369.243	39,737,047	5,942.202
DC	202		7,101.04	558,539	39.171	3,037,258	311.462	2,744.99	3,848,141	1,369.243	39,737,047	5,942.202
DC	301	20852	485.85	12,414	2.458	92,910	10.804	.00	00	.000	00	.000
DC	301	20902	56.49	2,124	.170	25,460	2.543	.00	00	.000	00	.000
DC	301	20910	2.29	17	.031	1,855	.185	.00	00	.000	00	.000
DC	301		544.63	14,555	2.629	123,225	13.532	.00	00	.000	00	.000
DC	703	20460	263.58	11,479	.915	135,993	10.604	.00	00	.000	00	.000
DC	703	22041	7.79	1,422	1.422	1,422	1.422	.00	00	.000	00	.000
DC	703	22043	16.94	57	.091	57	.091	.00	00	.000	00	.000
DC	703	22101	.45	296	.018	254	.025	.00	00	.000	00	.000
DC	703	22150	5.11	1,950	.117	1,651	.856	.00	00	.000	00	.000
DC	703	22203	45.91	1,725	.136	41,308	4.132	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22210	5.07	1,668	.073	2,739	.164	.00	00	.000	00	.000
DC	703	22314	32.30	721	.143	5,260	.526	.00	00	.000	00	.000
DC	703		377.15	19,326	2.917	159,604	17.920	.00	00	.000	00	.000
DC			8,322.82	592,420	44.717	3,367,167	342.914	2,744.99	3,848,141	1,369.243	39,737,047	5,942.202

1991 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RT	919	27111	7.79	292	.024	3,610	.353	.03	00	.000	00	.300
RT	919	27611	1.81	102	.006	407	.041	.00	00	.000	00	.300
RT	919	27702	619.46	210,779	12.646	23,256	14.437	.03	00	.000	00	.300
RT	919	27711	4,773.27	3,346,361	195.625	2,013,621	227.102	2,215.19	7,666,675	1,143.898	40,781,933	4,091.751
RT	919		5,402.33	3,557,534	208.303	2,041,094	241.933	2,215.19	7,666,675	1,143.898	40,781,933	4,091.751
RT			5,402.33	3,557,534	208.303	2,041,094	241.933	2,215.19	7,666,675	1,143.898	40,781,933	4,091.751

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
01	203	06019	.00	00	.000	00	.000	.00	00	.000	00	.000
01	203	06108	62.05	15,308	.918	32,046	3.205	.00	00	.000	00	.000
01	203	06109	56.51	5,110	.511	11,656	.675	.00	00	.000	00	.000
01	203		118.56	20,418	1.429	43,702	3.683	.00	00	.000	00	.000
01	207	04333	.34	13	.001	192	.019	.00	00	.000	00	.000
01	207		.34	13	.001	192	.019	.00	00	.000	00	.000
01	401	02882	8.53	320	.025	3,891	.385	54.41	3,891	.333	148,873	19.366
01	401		8.53	320	.025	3,891	.385	54.41	3,891	.333	148,873	19.366
01	617	01254	2.67	120	.010	1,444	.144	.00	00	.000	00	.000
01	617	01452	5.52	145	.012	3,225	.323	.00	00	.000	00	.000
01	617	02114	60.96	20,367	1.222	29,166	2.917	.00	00	.000	00	.000
01	617	02203	164.39	16,708	.791	95,460	8.529	227.29	116,668	5.996	3,353,769	378.697
01	617		233.54	37,420	2.035	119,295	11.915	227.29	116,668	5.996	3,353,769	378.697
01	802	05602	5.43	142	.011	3,174	.318	.00	00	.000	00	.000
01	802		5.43	142	.011	3,174	.318	.00	00	.000	00	.000
01			366.40	58,313	3.551	175,254	16.518	281.70	120,559	6.329	3,502,662	398.583

1984 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REC AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
02 201 00017	8.77	64	.003	12	.001	.00	00	.000	00	.000
02 201 27709	23.46	881	.070	21,113	2.112	.00	00	.000	00	.000
02 201	32.23	945	.073	21,125	2.113	.00	00	.000	00	.000
02 212 10007	1,507.64	84,351	5.659	695,079	67.971	263.60	63,235	4.740	2,415,739	303.478
02 212 10471	182.53	6,841	.545	82,176	8.218	.00	00	.000	00	.000
02 212	1,770.17	91,192	6.434	757,255	76.189	263.60	63,235	4.740	2,415,739	303.478
02 516 11973	57.98	2,164	.174	26,089	2.609	.00	00	.000	00	.000
02 516	57.98	2,164	.174	25,089	2.609	.00	00	.000	00	.000
02 515 12181	.17	02	.000	137	.014	.00	00	.000	00	.000
02 515	.17	02	.000	137	.014	.00	00	.000	00	.000
02 609 08626	10.60	297	.023	5,239	.621	.00	00	.000	00	.000
02 609	10.60	297	.023	5,239	.621	.00	00	.000	00	.000
02	1,871.15	94,600	6.674	820,845	81.546	263.60	63,235	4.740	2,415,739	303.478

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
33	215	19106	612.31	24,879	1.911	34,597	27.484	586.12	134,922	14.034	19,637,720	2,560.329
33	215		612.31	24,879	1.911	34,597	27.484	586.12	134,922	14.034	19,637,720	2,560.329
33	301	21010	.63	36	.003	430	.343	.00	00	.000	00	.000
33	301	21219	22.04	77	.123	77	.123	.00	00	.000	00	.000
33	301		23.67	113	.126	507	.166	.00	00	.000	00	.000
33			635.98	24,992	2.037	35,104	27.650	586.12	134,922	14.034	19,637,720	2,560.329

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
04	205	15662	.94	232	.014	465	.046	.00	00	.000	00	.000
04	205	35805	355.30	124,499	7.470	164,663	16.467	.00	00	.000	00	.000
04	205	36109	60.05	452	.027	49,286	4.929	.00	00	.000	00	.000
04	205		417.09	125,183	7.521	214,454	21.444	.00	00	.000	00	.000
04	404	30309	980.81	451,377	27.718	382,364	38.235	1,319.37	1,001,936	72.535	20,852,129	2,375.566
04	404	30601	126.11	4,011	.325	64,761	6.480	88.37	37	.320	139,488	10.945
04	404		1,106.92	455,388	28.043	447,125	44.715	1,407.74	1,001,973	72.855	20,961,617	2,386.511
04	303	29201	8.07	124	.038	1,506	.147	.00	00	.000	00	.000
04	303		8.07	124	.038	1,506	.147	.00	00	.000	00	.000
04	904	32561	93.23	3,496	.280	42,035	4.196	.02	6,030	.470	207,697	27.776
04	904		93.23	3,496	.280	42,035	4.196	.02	6,030	.470	207,697	27.776
04			1,625.31	584,193	35.682	735,120	70.502	1,407.76	1,007,973	73.325	21,169,274	2,414.287

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
05	216	44106	.00	00	.000	00	.000	.00	00	.000	00	.000
05	216		.00	00	.000	00	.000	.00	00	.000	00	.000
05	217	01020	3.58	135	.011	1,609	.161	.00	00	.000	00	.000
05	217		3.58	135	.011	1,609	.161	.00	00	.000	00	.000
05	218	55804	4.45	167	.013	2,004	.200	.00	00	.000	00	.000
05	218		4.45	167	.013	2,004	.200	.00	00	.000	00	.000
05	312	55101	1.59	60	.005	715	.072	.00	00	.000	00	.000
05	312	60439	4.37	165	.013	1,967	.197	.00	00	.000	00	.000
05	312	60604	646.78	213,967	14.383	187,067	20.243	750.53	1,269,512	73.105	5,548,030	801.576
05	312	60609	9.54	359	.029	4,291	.429	.00	00	.000	00	.000
05	312		662.28	214,551	14.430	195,045	20.341	750.53	1,269,512	73.105	5,548,030	801.576
05	313	48105	20.40	765	.061	9,131	.919	.00	00	.000	00	.000
05	313	48106	50.90	6,772	.428	17,857	1.786	.00	00	.000	00	.000
05	313	48135	292.10	21,952	1.416	149,219	14.925	1,028.30	117,134	8.867	3,938,202	505.384
05	313	60604	.60	734	.044	234	.023	.00	00	.000	00	.000
05	313		363.90	30,223	1.949	175,441	17.653	1,028.30	117,134	8.867	3,938,202	505.384
05	317	46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05	317		.00	00	.000	00	.000	.00	00	.000	00	.000
05	414	53225	11.92	449	.036	5,384	.536	.00	00	.000	00	.000
05	414	54303	2.38	90	.007	1,073	.107	.00	00	.000	00	.000
05	414		14.30	539	.043	5,437	.643	.00	00	.000	00	.000
05	417	44870	.00	00	.000	00	.000	.00	00	.000	30,472	3.347
05	417		.00	00	.000	00	.000	.00	00	.000	30,472	3.347
05	513	11973	259.55	9,702	.779	115,972	11.697	.00	00	.000	00	.000
05	513	44873	127.31	15,315	1.226	15,315	1.226	.00	00	.000	00	.000

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
35	513	45244	47.43	1,774	.141	21,309	2.131	.00	00	.000	00	.000
35	513	45267	1.44	53	.005	646	.065	.00	00	.000	00	.000
35	513	45268	683.05	133,405	5.973	325,690	32.569	6.44	124,438	4.709	2,009,012	133.725
35	513		1,099.07	160,249	8.124	479,932	47.706	6.44	124,438	4.709	2,009,012	133.725
35	517	48926	53.65	2,021	.161	24,137	2.414	.00	00	.000	00	.000
35	517		53.65	2,021	.161	24,137	2.414	.00	00	.000	00	.000
35	608	53597	2.78	105	.008	1,252	.125	.00	00	.000	00	.000
35	608	53707	29.01	1,093	.087	13,052	1.305	.00	00	.000	00	.000
35	608		31.79	1,198	.095	14,304	1.430	.00	00	.000	00	.000
35	612	55113	87.03	3,278	.261	39,156	3.916	.00	00	.000	00	.000
35	612		87.03	3,278	.261	39,156	3.916	.00	00	.000	00	.000
35	715	53226	2.78	105	.008	1,252	.125	.00	00	.000	00	.000
35	715		2.78	105	.008	1,252	.125	.00	00	.000	00	.000
35	812	47711	.40	15	.001	179	.018	.00	00	.000	00	.000
35	812		.40	15	.001	179	.018	.00	00	.000	00	.000
35			2,323.23	412,481	25.096	941,491	95.209	1,793.27	1,511,024	86.681	11,525,716	1,444.432

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/09/77

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
06 214 75230	303.71	14,067	1.190	95,239	9.529	434.09	150,584	12.910	4,094,387	507.306
06 214	303.71	14,067	1.190	95,239	9.529	434.09	150,584	12.910	4,094,387	507.306
06 405 73105	19.93	590	.047	13,152	1.316	.00	00	.000	00	.000
06 405 74529	1.85	68	.005	827	.084	61.67	02	.034	14,375	1.446
06 405	21.78	658	.052	13,979	1.400	61.67	02	.034	14,375	1.446
06 501 72209	28.35	840	.067	18,714	1.872	.00	00	.000	00	.000
06 501	28.35	840	.067	18,714	1.872	.00	00	.000	00	.000
06 504 70160	53.07	1,849	.149	27,637	2.764	.00	00	.000	00	.000
06 504 70653	57.62	2,101	.173	25,931	2.593	.00	00	.000	00	.000
06 504 70896	4.83	161	.015	2,174	.217	.00	00	.000	00	.000
06 504	115.52	4,191	.337	55,742	5.574	.00	00	.000	00	.000
06 505 87501	16.65	499	.040	11,123	1.113	.00	00	.000	00	.000
06 505	16.65	499	.040	11,123	1.113	.00	00	.000	00	.000
06 512 78711	1.94	57	.005	1,278	.128	.00	00	.000	00	.000
06 512	1.94	57	.005	1,278	.128	.00	00	.000	00	.000
06	408.15	21,112	1.691	195,075	19.616	495.76	150,586	12.944	4,108,762	508.752

1994 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07	402	68102	.10	04	.000	44	.004	.00	00	.000	00	.000
07	402	68509	.00	00	.000	00	.000	.00	00	.000	00	.000
07	402		.10	04	.000	44	.004	.00	00	.000	00	.000
07	515	50316	16.30	611	.049	7,331	.733	.00	00	.000	00	.000
07	515		16.30	611	.049	7,331	.733	.00	00	.000	00	.000
07	816	64108	165.70	8,846	1.396	59,658	6.002	316.66	39,270	5.840	436,632	97.545
07	816		165.70	8,846	1.396	59,658	6.002	316.66	39,270	5.840	436,632	97.545
07	913	66620	29.64	1,119	.069	13,426	1.343	.00	00	.000	00	.000
07	913		29.64	1,119	.069	13,426	1.343	.00	00	.000	00	.000
07			211.94	10,580	1.534	80,659	8.082	316.66	39,270	5.840	436,632	97.545

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
08	303	80203	136.56	45,711	2.844	55,894	5.603	237.69	131,937	8.669	2,282,737	251.367
08	303	80220	9.08	239	.019	5,335	.533	.00	00	.000	00	.000
08	303	80225	339.62	12,833	1.025	157,996	15.663	142.87	9,982	7.510	211,413	18.541
08	303		487.26	58,783	3.888	229,227	21.799	380.56	141,919	16.179	2,494,150	270.508
08	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.000
08	307		.00	00	.000	00	.000	.00	00	.000	00	.000
08	605	57501	26.00	975	.078	11,685	1.170	.00	00	.000	00	.000
08	605		26.00	975	.078	11,685	1.170	.00	00	.000	00	.000
08	701	56501	5.86	154	.012	3,444	.344	.00	00	.000	00	.000
08	701		5.86	154	.012	3,444	.344	.00	00	.000	00	.000
08			519.12	59,912	3.978	244,356	23.313	380.56	141,919	16.179	2,494,150	270.508

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
09	213	90009	26.13	962	.077	12,069	1.197	.00	00	.000	00	.000
09	213	90051	22.84	663	.053	115,526	1.255	.00	00	.000	00	.000
09	213		48.97	1,625	.130	127,595	2.452	.00	00	.000	00	.000
09	415	94111	273.12	26,767	2.711	159,195	210.061	169.01	133,066	6.849	1,318,706	399.163
09	415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
09	415		273.12	26,767	2.711	169,195	210.061	169.01	133,066	6.849	1,318,706	399.163
09	702	89114	392.28	13,160	1.024	219,365	21.952	157.34	4,615	9.268	4,120,432	412.343
09	702	89715	12.57	471	.030	5,660	.566	.00	00	.000	00	.000
09	702	89914	7.71	434	.035	1,735	.173	.00	00	.000	00	.000
09	702	98114	27.61	207	.017	22,523	2.252	.00	00	.000	00	.000
09	702		440.37	14,272	1.114	249,303	24.943	157.34	4,615	9.268	4,120,432	412.343
09	707	17055	30.33	102	.163	102	.163	.00	00	.000	00	.000
09	707		30.33	102	.163	102	.163	.00	00	.000	00	.000
09	714	92702	.51	19	.002	229	.023	.00	00	.000	00	.000
09	714	92806	1.02	38	.033	457	.046	.00	00	.000	00	.000
09	714		1.53	57	.035	686	.069	.00	00	.000	00	.000
09	805	91320	296.64	269,374	16.165	118,163	11.816	.00	00	.000	00	.000
09	805		296.64	269,374	16.155	118,163	11.816	.00	00	.000	00	.000
09	916	95801	41.91	1,217	.097	233,300	2.303	.00	00	.000	00	.000
09	916	95825	24.68	717	.057	122,649	1.356	.00	00	.000	00	.000
09	916		66.59	1,934	.154	333,949	3.659	.00	00	.000	00	.000
09			1,157.55	314,151	20.442	593,593	253.163	326.35	137,681	16.117	5,439,138	811.206

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
10 205 07950	27.23	31,267	1.876	13,043	1.004	.00	00	.000	00	.000
10 206 98101	147.44	3,605	.268	93,296	9.444	292.78	147,521	11.276	3,047,544	315.217
10 206 98504	3.37	313	.037	3,737	.376	.00	00	.000	00	.000
10 206	183.04	35,185	2.151	134,076	10.824	292.78	147,521	11.276	3,047,544	315.217
10 208 83720	7.17	266	.006	3,196	.322	.00	00	.000	00	.000
10 208 83721	.06	02	.000	25	.003	.00	00	.000	00	.000
10 208 83724	.42	16	.000	188	.019	.00	00	.000	00	.000
10 208	7.65	286	.006	3,411	.344	.00	00	.000	00	.000
10 503 97225	2.44	92	.002	1,091	.110	.00	00	.000	00	.000
10 503 97330	63.01	3,113	.253	37,277	4.762	42.34	16	.001	162	.790
10 503	65.45	3,205	.255	38,368	4.872	42.34	16	.001	162	.790
10 907 99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10 907	.00	00	.000	00	.000	.00	00	.000	00	.000
10	276.14	38,676	2.412	145,855	16.040	335.12	147,537	11.277	3,047,706	316.007

1981 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99999	135.19	92,535	4.467	55,293	5.767	.00	00	.000	00	.000
99 999	135.19	92,535	4.467	55,293	5.767	.00	00	.000	00	.000
99	135.19	92,535	4.467	55,293	5.787	.00	00	.000	00	.000
	23,035.31	5,661,499	360.734	9,793,306	1,202.273	11,147.08	14,969,522	2,760.607	154,296,479	19,158.960

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/09/77

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC	202	20005	818.22	22,392	1.795	733,337	76.335	.00	00	.000	00	.000
DC	202	20016	29.56	1,110	.089	25,600	2.660	.00	00	.000	00	.000
DC	202	20035	2.96	10	.016	10	.016	.00	00	.000	00	.000
DC	202	20460	11,656.79	953,039	73.641	4,548,949	456.039	4,855.14	7,277,861	2,808.534	69,630,806	9,879.635
DC	202		12,507.53	976,551	74.941	5,355,895	536.750	4,855.14	7,277,861	2,808.534	69,630,806	9,879.635
DC	301	20852	929.27	24,246	4.732	173,881	20.661	.00	00	.000	00	.000
DC	301	20902	94.25	3,542	.283	42,475	4.243	.00	00	.000	00	.000
DC	301	20910	3.42	25	.002	2,772	.277	.00	00	.000	00	.000
DC	301		1,026.94	27,813	4.987	224,128	25.201	.00	00	.000	00	.000
DC	703	20410	327.23	18,298	1.457	153,431	16.952	.00	00	.000	00	.000
DC	703	22041	20.81	3,796	3.797	3,796	3.797	.00	00	.000	00	.000
DC	703	22043	31.77	107	.171	107	.171	.00	00	.000	00	.000
DC	703	22101	.87	540	.032	469	.047	.00	00	.000	00	.000
DC	703	22180	8.07	2,925	.175	2,397	.931	.00	00	.000	00	.000
DC	703	22203	66.51	2,499	.203	59,849	5.986	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22210	8.49	2,737	.113	6,657	.253	.00	00	.000	00	.000
DC	703	22314	88.55	3,843	.394	15,828	1.683	.00	00	.000	00	.000
DC	703		552.30	34,745	6.339	257,534	29.920	.00	00	.000	00	.000
DC			14,086.77	1,039,109	86.267	5,837,558	591.771	4,855.14	7,277,861	2,808.534	69,630,806	9,879.635

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/09/77

PAGE 2

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
RT 919 27111	14.08	520	.044	5,515	.637	.00	00	.000	00	.000
RT 919 27611	2.49	140	.011	559	.056	.00	00	.000	00	.000
RT 919 27702	652.79	290,174	17.410	77,636	19.875	.00	00	.000	00	.000
RT 919 27711	8,550.71	6,034,737	356.974	3,647,413	390.476	3,915.80	13,934,931	1,931.417	71,396,432	7,166.141
RT 919	9,520.07	6,325,579	374.439	3,732,125	411.046	3,915.80	13,934,931	1,931.417	71,396,432	7,166.141
RT	9,520.07	6,325,579	374.439	3,732,125	411.046	3,915.80	13,934,931	1,931.417	71,396,432	7,166.141

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
01	203	06619	.00	00	.000	00	.000	.00	00	.000	00	.000
01	203	06108	129.46	31,942	1.916	65,865	6.687	.00	00	.000	00	.000
01	203	06109	98.59	7,476	.730	19,824	1.266	.00	00	.000	00	.000
01	203		228.05	39,418	2.616	85,689	7.953	.00	00	.000	00	.000
01	207	04333	.54	27	.002	413	.041	.00	00	.000	00	.000
01	207		.54	27	.002	413	.041	.00	00	.000	00	.000
01	401	02882	14.64	557	.044	5,757	.669	87.51	6,757	.578	258,498	34.569
01	401		14.84	557	.044	5,757	.669	87.51	6,757	.578	258,498	34.569
01	617	01254	2.[illegible]7	231	.018	2,776	.278	.00	00	.000	00	.000
01	617	01452	13.49	354	.026	7,666	.790	.00	00	.000	00	.000
01	617	02114	94.05	31,421	1.885	44,994	4.499	.00	00	.000	00	.000
01	617	02203	288.13	37,306	2.117	157,569	15.523	456.19	240,711	13.709	6,047,743	704.598
01	617		398.34	69,312	4.046	213,247	21.195	458.19	240,711	13.709	6,047,743	704.598
01	802	05602	13.28	346	.026	7,762	.777	.00	00	.000	00	.000
01	802		13.28	346	.028	7,762	.777	.00	00	.000	00	.000
01			655.05	109,662	6.738	314,868	30.635	545.70	247,468	14.287	6,306,241	739.367

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/03/77

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
02	201	06817	22.[illegible]	105	.007	33	.005	.00	00	.000	00	.000
02	201	27709	33.99	1,277	.102	33,589	3.059	.00	00	.000	00	.000
02	201		56.54	1,442	.109	33,622	3.062	.00	00	.000	00	.000
02	212	10007	2,945.25	161,582	11.596	1,265,786	124.460	535.71	140,504	10.349	5,414,800	680.324
02	212	10471	321.46	12,049	.959	144,738	14.474	.00	00	.000	00	.000
02	212		3,266.71	173,631	12.555	1,410,524	136.954	535.71	140,504	10.349	5,414,800	680.324
02	516	11973	106.44	4,047	.325	43,799	4.680	.00	00	.000	00	.000
02	516		106.44	4,047	.325	43,799	4.680	.00	00	.000	00	.000
02	516	12181	.39	04	.000	317	.032	.00	00	.000	00	.000
02	516		.39	04	.000	317	.032	.00	00	.000	00	.000
02	609	08625	19.81	539	.042	11,647	1.160	.00	00	.000	00	.000
02	609		19.81	539	.042	11,647	1.160	.00	00	.000	00	.000
02			3,451.69	179,663	13.631	1,521,909	148.088	535.71	140,504	10.349	5,414,800	680.324

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
03 215 19105	1,176.81	49,374	3.674	66,026	52.773	1,126.17	259,193	26.988	37,800,346	4,927.379
03 215	1,176.81	49,374	3.674	66,026	52.773	1,126.17	259,193	26.988	37,800,346	4,927.379
03 301 21013	1.56	63	.005	761	.076	.00	00	.000	00	.000
03 301 21218	42.86	144	.230	144	.230	.00	00	.000	00	.000
03 301	44.42	207	.235	905	.306	.00	00	.000	00	.000
03	1,221.23	49,581	3.909	55,931	53.079	1,126.17	259,193	26.988	37,800,346	4,927.379

1982 - SCENARIO I
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED					HIGH SPEED				
				INPUT		OUTPUT			INPUT		OUTPUT	
SEG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
04	205	35660	1.96	483	.029	1,011	.101	.00	00	.000	00	.300
04	205	35609	556.01	194,282	11.658	257,292	25.728	.00	00	.000	00	.300
04	205	36109	90.53	676	.055	73,658	7.366	.00	00	.000	00	.300
04	205		648.90	195,441	11.742	331,961	33.195	.00	00	.000	00	.300
04	404	30309	1,608.10	1,000,941	51.125	645,045	64.601	2,229.15	1,976,646	139.272	35,584,390	4,300.195
04	404	30601	246.65	7,624	.615	129,555	12.961	178.12	13	.647	220,632	22.357
04	404		1,854.95	1,008,565	51.740	777,603	77.762	2,407.27	1,976,659	139.919	35,805,022	4,322.252
04	903	29201	16.62	605	.076	3,045	.297	.00	00	.000	00	.300
04	903		16.62	605	.076	3,045	.297	.00	00	.000	00	.300
04	904	32561	161.67	6,076	.486	72,968	7.265	.04	11,519	.817	360,572	48.229
04	904		161.67	6,076	.486	72,986	7.265	.04	11,519	.817	360,572	48.229
04			2,682.34	1,210,689	74.044	1,135,594	118.539	2,407.31	1,988,178	140.736	36,165,594	4,370.481

1955 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

SEG AREA ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
35 216 44105	.00	00	.000	00	.000	.00	00	.000	00	.000
35 216	.00	00	.000	00	.000	.00	00	.000	00	.000
35 217 61625	6.78	255	.020	3,048	.305	.00	00	.000	00	.000
35 217	6.78	255	.020	3,048	.305	.00	00	.000	00	.000
35 218 55804	7.04	294	.023	3,530	.353	.00	00	.000	00	.000
35 218	7.04	294	.023	3,530	.353	.00	00	.000	00	.000
35 312 55101	3.01	113	.009	1,355	.136	.00	00	.000	00	.000
35 312 60439	8.26	312	.025	3,726	.373	.00	00	.000	00	.000
35 312 60604	1,304.30	445,014	30.091	365,476	39.628	1,456.06	2,625,219	151.763	11,061,945	1,565.549
35 312 60609	16.07	686	.054	3,129	.613	.00	00	.000	00	.000
35 312	1,333.65	446,119	30.179	379,688	40.950	1,456.06	2,625,219	151.763	11,061,945	1,565.549
35 313 46105	32.61	1,226	.098	14,637	1.474	.00	00	.000	00	.000
35 313 48105	96.46	12,836	.611	33,836	3.364	.00	00	.000	00	.000
35 313 48138	553.54	79,546	4.871	137,280	19.729	1,297.82	246,050	17.534	7,172,386	884.519
35 313 60604	.98	1,065	.064	368	.037	.00	00	.000	00	.000
35 313	683.59	94,675	5.644	245,121	24.624	1,297.82	246,050	17.534	7,172,386	884.519
35 317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
35 317	.00	00	.000	00	.000	.00	00	.000	00	.000
35 414 53226	22.58	661	.068	13,161	1.016	.00	00	.000	00	.000
35 414 54303	4.52	170	.014	2,032	.203	.00	00	.000	00	.000
35 414	27.10	1,071	.062	12,193	1.219	.00	00	.000	00	.000
35 419 44870	.00	00	.000	00	.000	.00	00	.000	47,464	4.746
35 419	.00	00	.000	00	.000	.00	00	.000	47,464	4.746
35 513 11973	486.21	18,140	1.456	219,791	21.879	.00	00	.000	00	.000
35 513 44870	198.30	23,855	1.909	23,855	1.909	.00	00	.000	00	.000

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
05	513	45244	83.36	3,124	.249	37,532	3.753	.00	00	.000	00	.000
05	513	45207	2.51	94	.007	1,133	.113	.00	00	.000	00	.000
05	513	45205	1,054.87	197,421	10.142	535,510	53.565	12.33	213,664	8.399	3,461,793	235.329
05	513		1,625.25	242,640	13.765	817,821	81.319	12.33	213,664	8.399	3,461,793	235.329
05	517	48926	101.63	3,627	.305	45,725	4.573	.00	00	.000	00	.000
05	517		101.63	3,627	.305	45,725	4.573	.00	00	.000	00	.000
05	608	53597	5.27	198	.016	2,371	.237	.00	00	.000	00	.000
05	608	53707	54.95	2,070	.165	24,726	2.473	.00	00	.000	00	.000
05	608		60.22	2,268	.181	27,097	2.710	.00	00	.000	00	.000
05	612	55113	164.86	6,209	.494	74,177	7.419	.00	00	.000	00	.000
05	612		164.86	6,209	.494	74,177	7.419	.00	00	.000	00	.000
05	715	53226	5.27	198	.016	2,371	.237	.00	00	.000	00	.000
05	715		5.27	198	.016	2,371	.237	.00	00	.000	00	.000
05	812	47711	.75	28	.002	339	.034	.00	00	.000	00	.000
05	812		.75	28	.002	339	.034	.00	00	.000	00	.000
05			4,216.96	797,534	50.911	1,612,110	163.743	2,766.21	3,084,933	177.696	21,743,568	2,689.343

1985 - SCENARIO I
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
06	214	75270	613.23	29,964	2.396	189,314	18.942	879.59	257,288	26.126	8,097,289	1,024.469
06	214		613.23	29,964	2.396	189,314	18.942	879.59	257,288	26.126	8,097,289	1,024.469
06	405	73105	43.56	1,216	.097	25,971	2.699	.00	00	.000	00	.000
06	405	74820	3.47	120	.010	1,557	.157	116.14	33	.063	27,068	2.723
06	405		47.03	1,336	.107	25,528	2.856	116.14	33	.063	27,068	2.723
06	501	72209	61.98	1,722	.138	39,376	3.840	.00	00	.000	00	.000
06	501		61.98	1,722	.138	39,376	3.840	.00	00	.000	00	.000
06	504	70160	106.64	3,619	.290	54,601	5.471	.00	00	.000	00	.000
06	504	70893	110.62	4,148	.332	49,779	4.976	.00	00	.000	00	.000
06	504	70896	9.27	348	.028	4,173	.417	.00	00	.000	00	.000
06	504		226.53	8,115	.650	108,553	10.856	.00	00	.000	00	.000
06	505	67501	36.64	1,024	.082	22,810	2.282	.00	00	.000	00	.000
06	505		36.64	1,024	.082	22,810	2.282	.00	00	.000	00	.000
06	512	78711	4.23	116	.009	2,620	.262	.00	00	.000	00	.000
06	512		4.23	116	.009	2,620	.262	.00	00	.000	00	.000
06			969.84	42,261	3.382	393,201	39.338	995.73	257,291	26.189	8,124,357	1,027.192

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07 402 68102	.16	06	.000	72	.007	.00	00	.000	00	.000
07 402 68509	.00	00	.000	00	.000	.00	00	.000	00	.000
07 402	.16	06	.000	72	.007	.00	00	.000	00	.000
07 515 50316	26.41	991	.079	11,881	1.188	.00	00	.000	00	.000
07 515	26.41	991	.079	11,881	1.188	.00	00	.000	00	.000
07 816 64108	272.52	14,476	2.410	95,810	9.705	526.47	67,709	9.547	803,951	161.652
07 816	272.52	14,476	2.410	95,810	9.705	526.47	67,709	9.547	803,951	161.652
07 913 66620	48.37	1,814	.145	21,758	2.176	.00	00	.000	00	.000
07 913	48.37	1,814	.145	21,758	2.176	.00	00	.000	00	.000
07	347.46	17,289	2.634	130,521	13.076	526.47	67,709	9.547	803,951	161.652

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
06	303	60203	284.49	104,779	6.493	115,507	11.576	495.19	282,559	18.490	4,753,824	536.782
06	303	60220	22.04	480	.046	12,932	1.292	.00	00	.000	00	.000
06	303	60225	516.67	23,403	1.832	235,364	27.564	260.83	18,296	13.743	390,871	22.436
06	303		925.20	128,622	8.421	424,823	40.432	756.02	300,855	32.233	5,144,695	559.278
06	307	92002	.00	00	.000	00	.000	.00	00	.000	00	.000
06	307		.00	00	.000	00	.000	.00	00	.000	00	.000
06	605	57401	49.97	1,874	.150	22,459	2.249	.00	00	.000	00	.000
06	605		49.97	1,874	.150	22,459	2.249	.00	00	.000	00	.000
06	701	50508	14.23	374	.029	8,349	.834	.00	00	.000	00	.000
06	701		14.23	374	.029	8,349	.834	.00	00	.000	00	.000
06			989.40	131,070	8.650	455,631	43.515	756.02	300,855	32.233	5,144,695	559.278

1985 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
39 213 90009	49.59	1,619	.147	22,999	2.282	.00	00	.000	00	.000
39 213 90051	36.28	1,067	.095	123,770	1.960	.00	00	.000	00	.000
39 213	85.87	2,886	.232	146,769	4.262	.00	00	.000	00	.000
39 415 94111	540.30	44,145	4.431	287,432	299.489	306.92	216,797	10.376	2,120,175	718.314
39 415 94704	.00	00	.000	00	.000	.00	00	.000	00	.000
39 415	540.30	44,145	4.431	287,432	299.489	306.92	216,797	10.376	2,120,175	718.314
39 702 89114	764.22	25,065	1.956	429,160	42.943	308.99	8,543	16.178	7,925,560	792.557
39 702 89713	29.12	1,092	.087	13,111	1.311	.00	00	.000	00	.000
39 702 89914	10.61	597	.048	2,387	.239	.00	00	.000	00	.000
39 702 96114	41.56	309	.025	33,661	3.366	.00	00	.000	00	.000
39 702	845.51	27,063	2.116	474,319	47.859	308.99	8,543	16.178	7,925,560	792.557
39 707 17055	56.90	191	.305	191	.306	.00	00	.000	00	.000
39 707	56.90	191	.305	191	.306	.00	00	.000	00	.000
39 714 92702	1.14	44	.004	530	.053	.00	00	.000	00	.000
39 714 92806	2.35	88	.007	1,059	.106	.00	00	.000	00	.000
39 714	3.53	132	.011	1,589	.159	.00	00	.000	00	.000
39 805 91320	658.10	644,122	38.653	255,096	25.509	.00	00	.000	00	.000
39 805	658.10	644,122	38.653	255,096	25.509	.00	00	.000	00	.000
39 916 95861	66.56	1,957	.155	221,592	3.634	.00	00	.000	00	.000
39 916 95825	39.19	1,152	.091	130,475	2.140	.00	00	.000	00	.000
39 916	105.75	3,109	.246	352,067	5.774	.00	00	.000	00	.000
39	2,295.96	721,648	45.564	1,513,463	383.358	615.91	225,340	28.554	10,045,735	1,510.371

1955 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
10	206	07950	71.57	82,164	4.930	25,391	2.539	.00	00	.000	00	.000
10	206	98101	330.11	8,171	.632	199,865	20.412	630.73	286,114	22.965	8,168,729	836.383
10	206	98504	16.08	603	.030	7,183	.723	.00	00	.000	00	.000
10	206		417.76	90,931	5.592	233,439	23.774	630.73	286,114	22.965	8,168,729	836.383
10	206	83720	13.76	516	.026	5,147	.619	.00	00	.000	00	.000
10	206	83721	.11	04	.000	48	.005	.00	00	.000	00	.000
10	206	83724	.81	30	.002	362	.036	.00	00	.000	00	.000
10	206		14.68	550	.028	5,557	.660	.00	00	.000	00	.000
10	503	97225	4.70	176	.009	2,097	.211	.00	00	.000	00	.000
10	503	97330	173.74	6,467	.525	75,000	8.846	112.16	63	.003	606	2.306
10	503		176.44	6,643	.534	83,097	9.057	112.16	63	.003	606	2.306
10	907	99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10	907		.00	00	.000	00	.000	.00	00	.000	00	.000
10			610.88	96,131	6.154	323,093	33.491	742.89	286,177	22.968	8,169,335	838.389

1980 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED				HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99999	207.15	181,248	9.828	92,134	9.374	.00	00	.000	00	.300
99 999	207.15	181,248	9.828	92,134	9.374	.00	00	.000	00	.300
99	207.15	181,248	9.828	92,134	9.374	.00	00	.000	00	.300
	41,274.99	10,503,484	635.931	17,171,138	2,330.753	19,791.06	28,070,440	5,229.498	280,745,980	34,551.352

1980 - SEGMENT 4
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
DC	202	20005	1,241.09	33,407	2.681	1,027,936	102.796	.00	00	.000	00	.000
DC	202	20016	37.78	1,419	.113	34,000	3.401	.00	00	.000	00	.000
DC	202	20036	4.29	14	.023	14	.023	.00	00	.000	00	.000
DC	202	20460	15,910.59	1,290,307	116.164	6,253,021	634.567	7,345.66	10,109,166	3,868.433	99,677,235	13,985.374
DC	202		17,201.75	1,325,207	112.981	7,324,971	740.767	7,345.66	10,109,166	3,868.433	99,677,235	13,985.374
DC	301	20852	1,408.70	36,853	6.985	274,307	31.471	.00	00	.000	00	.000
DC	301	20902	150.31	5,647	.452	57,736	6.765	.00	00	.000	00	.000
DC	301	20910	4.56	34	.033	3,693	.369	.00	00	.000	00	.000
DC	301		1,563.57	42,534	7.440	345,736	38.605	.00	00	.000	00	.000
DC	703	20460	397.77	24,537	1.956	237,039	23.716	.00	00	.000	00	.000
DC	703	22041	57.85	10,556	10.556	10,556	10.556	.00	00	.000	00	.000
DC	703	22043	46.08	155	.247	155	.248	.00	00	.000	00	.000
DC	703	22101	1.29	831	.050	697	.069	.00	00	.000	00	.000
DC	703	22150	10.41	3,691	.222	2,968	.990	.00	00	.000	00	.000
DC	703	22203	85.01	3,194	.255	76,500	7.651	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22210	12.55	3,944	.148	7,002	.335	.00	00	.000	00	.000
DC	703	22314	245.81	12,620	1.131	45,610	4.561	.00	00	.000	00	.000
DC	703		856.77	59,528	14.535	383,547	48.126	.00	00	.000	00	.000
DC			19,622.09	1,427,209	134.556	8,051,254	827.518	7,345.65	10,109,166	3,868.433	99,677,235	13,985.374

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LOW SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI	919 27111	22.19	830	.068	13,238	1.091	.00	00	.000	00	.000
RI	919 27011	3.16	174	.014	697	.070	.00	00	.000	00	.000
RI	919 27762	1,048.22	356,672	21.460	123,165	24.430	.00	00	.000	00	.000
RI	919 27711	12,607.26	8,704,047	517.180	5,263,700	549.523	5,534.50	19,778,358	2,642.854	99,019,912	9,950.417
RI	919	13,680.73	9,061,723	538.662	5,376,820	575.324	5,534.50	19,778,358	2,642.854	99,019,912	9,950.417
RI		13,680.73	9,061,723	538.662	5,376,820	575.324	5,534.50	19,778,358	2,642.854	99,019,912	9,950.417

1955 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
REG	AREA ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
01	203 06019	.00	00	.000	00	.000	.00	00	.000	00	.000
01	203 06105	162.44	40,080	2.434	83,963	8.393	.00	00	.000	00	.000
01	203 06109	196.64	12,991	1.142	35,188	2.805	.00	00	.000	00	.000
01	203	359.08	53,071	3.546	122,088	11.196	.00	00	.000	00	.000
01	207 04313	.71	37	.033	567	.059	.00	00	.000	00	.000
01	207	.71	37	.033	567	.059	.00	00	.000	00	.000
01	401 32602	21.44	804	.064	9,759	.966	122.18	9,759	.835	373,324	50.369
01	401	21.44	804	.064	9,759	.966	122.18	9,759	.835	373,324	50.369
01	617 01254	2.67	319	.025	3,630	.383	.00	00	.000	00	.000
01	617 01492	19.80	519	.041	11,578	1.159	.00	00	.000	00	.000
01	617 02114	121.76	40,679	2.440	53,252	5.825	.00	00	.000	00	.000
01	617 02203	386.06	53,543	3.168	214,667	21.248	640.88	338,669	19.814	8,179,541	962.571
01	617	530.29	95,060	5.674	283,327	28.615	640.88	338,659	19.814	8,179,541	962.571
01	802 05602	19.49	511	.040	11,393	1.141	.00	00	.000	00	.000
01	802	19.49	511	.040	11,393	1.141	.00	00	.000	00	.000
01		931.01	149,463	9.327	432,194	41.977	763.06	348,628	20.649	8,552,865	1,012.740

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/09/77

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REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
02 201 06617	33.10	243	.010	48	.005	.00	00	.000	00	.000
02 201 27709	43.45	1,632	.130	39,103	3.911	.00	00	.000	00	.000
02 201	76.55	1,875	.140	39,148	3.916	.00	00	.000	00	.000
02 212 10007	3,984.72	221,270	16.023	1,745,654	167.737	743.91	199,629	14.640	7,709,593	969.734
02 212 10471	541.19	20,286	1.614	243,681	24.368	.00	00	.000	00	.000
02 212	4,525.91	241,556	17.637	1,989,335	192.105	743.91	199,629	14.640	7,709,593	969.734
02 516 11973	154.47	5,765	.463	69,514	6.951	.00	00	.000	00	.000
02 516	154.47	5,765	.463	69,514	6.951	.00	00	.000	00	.000
02 518 12181	.71	07	.000	578	.057	.00	00	.000	00	.000
02 518	.71	07	.000	578	.057	.00	00	.000	00	.000
02 609 06625	26.86	725	.057	15,784	1.572	.00	00	.000	00	.000
02 609	26.86	725	.057	15,784	1.572	.00	00	.000	00	.000
02	4,784.50	249,926	18.297	2,114,359	204.601	743.91	199,629	14.640	7,709,593	969.734

1980 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
03	215	19106	1,514.25	64,002	4.723	84,697	67.865	1,452.30	333,503	34.734	48,660,836	6,343.756
03	215		1,514.25	64,002	4.723	84,697	67.865	1,452.30	333,503	34.734	48,660,836	6,343.756
03	301	21013	2.10	84	.007	1,065	.100	.00	00	.000	00	.000
03	301	21219	62.16	209	.334	209	.334	.00	00	.000	00	.000
03	301		64.26	293	.341	1,214	.434	.00	00	.000	00	.000
03			1,576.51	64,295	5.064	85,911	68.319	1,452.30	333,503	34.734	48,660,836	6,343.756

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED					HIGH SPEED				
				INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
04	205	35603	[illegible]	666	.050	1,269	.127	.00	00	.000	00	.000
04	205	35405	724.13	252,728	15.164	534,866	33.486	.00	00	.000	00	.000
04	205	36109	121.14	900	.073	93,127	9.813	.00	00	.000	00	.000
04	205		847.73	254,234	15.273	435,262	43.426	.00	00	.000	00	.000
04	404	30368	1,986.11	1,329,716	81.114	608,234	60.614	2,773.18	2,559,492	179.177	44,393,679	5,451.046
04	404	30601	423.13	12,899	1.041	224,154	22.423	309.14	24	1.123	382,903	38.280
04	404		2,409.24	1,342,617	82.155	1,032,368	103.237	3,082.32	2,559,506	180.300	44,776,582	5,489.326
04	803	29201	40.97	1,974	.185	7,427	.725	.00	00	.000	00	.000
04	803		40.97	1,974	.185	7,427	.725	.00	00	.000	00	.000
04	904	32561	233.76	8,779	.732	135,409	10.522	.05	17,267	1.181	520,744	69.553
04	904		233.76	8,779	.732	135,409	10.522	.05	17,267	1.181	520,744	69.553
04			3,531.70	1,607,604	98.315	1,579,466	157.910	3,082.37	2,576,773	181.461	45,297,326	5,558.979

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
05	216	44105	.00	00	.000	00	.000	.00	00	.000	00	.000
05	216		.00	00	.000	00	.000	.00	00	.000	00	.000
05	217	61620	8.69	327	.026	3,912	.391	.00	00	.000	00	.000
05	217		8.69	327	.026	3,912	.391	.00	00	.000	00	.000
05	218	55804	13.20	495	.039	5,943	.594	.00	00	.000	00	.000
05	218		13.20	495	.039	5,943	.594	.00	00	.000	00	.000
05	312	55101	3.86	146	.012	1,738	.174	.00	00	.000	00	.000
05	312	60439	10.63	400	.032	4,781	.478	.00	00	.000	00	.000
05	312	60604	1,698.85	583,629	39.514	472,927	51.261	1,874.41	3,438,323	198.941	14,368,991	2,023.352
05	312	60609	23.18	873	.070	10,431	1.043	.00	00	.000	00	.000
05	312		1,730.52	585,046	39.628	483,677	52.956	1,874.41	3,438,323	198.941	14,368,991	2,023.352
05	313	48105	44.97	1,690	.135	20,165	2.030	.00	00	.000	00	.000
05	313	48105	123.76	16,477	1.041	43,421	4.343	.00	00	.000	00	.000
05	313	48138	966.88	170,601	10.333	273,245	27.322	1,724.05	449,978	31.242	12,287,238	1,483.172
05	313	60604	1.46	1,469	.090	539	.054	.00	00	.000	00	.000
05	313		1,137.09	190,257	11.599	337,370	33.749	1,724.05	449,978	31.242	12,287,238	1,483.172
05	317	46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05	317		.00	00	.000	00	.000	.00	00	.000	00	.000
05	414	53226	28.99	1,091	.087	13,039	1.304	.00	00	.000	00	.000
05	414	54303	5.80	218	.017	2,608	.261	.00	00	.000	00	.000
05	414		34.78	1,309	.104	15,647	1.565	.00	00	.000	00	.000
05	419	44870	.00	00	.000	00	.000	.00	00	.000	57,559	5.755
05	419		.00	00	.000	00	.000	.00	00	.000	57,559	5.755
05	513	11974	692.58	25,549	2.077	311,665	31.167	.00	00	.000	00	.000
05	513	44870	240.47	28,929	2.315	23,929	2.315	.00	00	.000	00	.000

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
05 513 45244	140.34	5,260	.419	63,183	6.319	.00	00	.000	00	.000
05 513 45267	3.67	144	.012	1,744	.174	.00	00	.000	00	.000
05 513 45269	1,451.81	276,701	15.181	755,431	75.852	20.94	337,264	13.097	5,396,051	359.360
05 513	2,529.67	336,863	20.004	1,153,957	115.627	20.94	337,264	13.097	5,396,051	359.360
05 517 46926	130.40	4,911	.391	58,673	5.868	.00	00	.000	00	.000
05 517	130.40	4,911	.391	58,673	5.868	.00	00	.000	00	.000
05 606 53597	6.76	255	.020	3,042	.304	.00	00	.000	00	.000
05 606 53707	70.51	2,655	.211	31,727	3.173	.00	00	.000	00	.000
05 606	77.27	2,910	.231	34,769	3.477	.00	00	.000	00	.000
05 612 55113	211.54	7,966	.634	95,181	9.519	.00	00	.000	00	.000
05 612	211.54	7,966	.634	95,181	9.519	.00	00	.000	00	.000
05 715 53226	6.76	255	.020	3,042	.304	.00	00	.000	00	.000
05 715	6.76	255	.020	3,042	.304	.00	00	.000	00	.000
05 812 47711	.97	36	.003	435	.043	.00	00	.000	00	.000
05 812	.97	36	.003	435	.043	.00	00	.000	00	.000
05	5,886.29	1,130,397	72.679	2,203,806	224.293	3,619.40	4,225,565	243.280	32,111,939	3,872.139

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
06	214	75270	853.97	41,705	3.335	262,486	26.264	1,226.13	340,280	36.408	11,210,656	1,426.707
06	214		853.97	41,705	3.335	262,486	26.264	1,226.13	340,280	36.408	11,210,656	1,426.707
06	405	73105	61.94	1,693	.136	37,720	3.774	.00	00	.000	00	.300
06	405	74820	5.84	217	.016	2,624	.265	195.65	05	.106	45,601	4.587
06	405		67.78	1,910	.152	40,344	4.039	195.65	05	.106	45,601	4.587
06	501	72209	88.13	2,409	.193	53,669	5.369	.00	00	.000	00	.300
06	501		88.13	2,409	.193	53,669	5.369	.00	00	.000	00	.300
06	504	70163	148.31	4,997	.400	75,573	7.559	.00	00	.000	00	.300
06	504	70693	151.84	5,694	.456	68,327	6.833	.00	00	.000	00	.300
06	504	70696	12.73	477	.038	5,728	.573	.00	00	.000	00	.300
06	504		312.88	11,166	.894	149,628	14.965	.00	00	.000	00	.300
06	505	87501	52.38	1,432	.115	31,900	3.191	.00	00	.000	00	.300
06	505		52.38	1,432	.115	31,900	3.191	.00	00	.000	00	.300
06	512	78711	6.02	164	.013	3,664	.367	.00	00	.000	00	.300
06	512		6.02	164	.013	3,664	.367	.00	00	.000	00	.300
06			1,381.16	58,768	4.702	541,691	54.195	1,421.78	340,285	36.514	11,256,257	1,431.294

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07	402	68102	.23	08	.001	102	.010	.00	00	.000	00	.000
07	402	68503	.00	00	.000	00	.000	.00	00	.000	00	.000
07	402		.23	08	.001	102	.010	.00	00	.000	00	.000
07	515	50316	37.52	1,407	.112	16,878	1.688	.00	00	.000	00	.000
07	515		37.52	1,407	.112	16,878	1.688	.00	00	.000	00	.000
07	816	64108	389.85	20,660	3.526	137,390	13.771	756.90	98,940	13.618	1,207,367	231.531
07	816		389.85	20,660	3.526	137,390	13.771	756.90	98,940	13.618	1,207,367	231.531
07	913	66620	68.71	2,577	.206	30,909	3.092	.00	00	.000	00	.000
07	913		68.71	2,577	.206	30,909	3.092	.00	00	.000	00	.000
07			496.31	24,652	3.845	185,279	18.561	756.90	98,940	13.618	1,207,367	231.531

1995 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED					HIGH SPEED				
				INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
38	303	80203	400.39	151,541	9.379	162,768	16.314	696.97	401,750	26.260	6,709,259	762.243
38	303	80223	32.30	849	.067	19,944	1.692	.00	00	.000	00	.000
38	303	80225	1,412.56	53,635	4.314	651,817	61.433	596.64	41,969	31.488	901,798	33.475
38	303		1,845.25	206,025	13.750	843,529	79.639	1,295.61	443,719	57.748	7,611,057	795.718
38	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.000
38	307		.00	00	.000	00	.000	.00	00	.000	00	.000
38	505	87501	68.94	2,586	.208	33,984	3.103	.00	00	.000	00	.000
38	505		68.94	2,586	.208	33,984	3.103	.00	00	.000	00	.000
38	701	58501	20.85	546	.043	12,230	1.221	.00	00	.000	00	.000
38	701		20.85	546	.043	12,230	1.221	.00	00	.000	00	.000
38			1,935.04	209,159	14.611	886,743	83.963	1,295.61	443,719	57.748	7,611,057	795.718

1975 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
39	213	90009	67.86	2,471	.199	31,714	3.147	.00	00	.000	00	.000
39	213	90051	46.41	1,385	.110	125,503	2.554	.00	00	.000	00	.000
39	213		114.79	3,856	.309	158,217	5.701	.00	00	.000	00	.000
39	415	94111	751.75	57,697	5.738	361,003	370.256	416.05	283,057	13.168	2,754,395	970.864
39	415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
39	415		751.75	57,697	5.738	361,003	370.256	416.06	283,057	13.168	2,754,395	970.864
39	702	89114	1,077.47	34,798	2.723	633,856	60.422	436.01	11,833	25.641	11,112,598	1,111.261
39	702	89710	42.22	1,583	.127	19,007	1.900	.00	00	.000	00	.000
39	702	89914	13.21	743	.059	2,973	.297	.00	00	.000	00	.000
39	702	98114	55.36	411	.033	44,843	4.464	.00	00	.000	00	.000
39	702		1,188.26	37,535	2.942	673,679	67.103	436.01	11,833	25.641	11,112,598	1,111.261
39	707	17055	82.52	277	.443	277	.444	.00	00	.000	00	.000
39	707		82.52	277	.443	277	.444	.00	00	.000	00	.000
39	714	92702	1.71	64	.005	768	.077	.00	00	.000	00	.000
39	714	92806	3.41	128	.010	1,536	.154	.00	00	.000	00	.000
39	714		5.12	192	.015	2,304	.231	.00	00	.000	00	.000
39	805	91320	1,097.21	1,114,636	66.886	420,050	42.004	.00	00	.000	00	.000
39	805		1,097.21	1,114,636	66.886	420,050	42.004	.00	00	.000	00	.000
39	916	95801	86.07	2,542	.232	232,110	4.667	.00	00	.000	00	.000
39	916	95825	50.68	1,497	.119	135,665	2.763	.00	00	.000	00	.000
39	916		136.75	4,039	.321	363,778	7.447	.00	00	.000	00	.000
39			3,376.40	1,216,432	76.654	2,031,308	493.166	852.07	294,890	38.809	13,866,993	2,082.125

1955 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
10	206	07950	124.55	148,040	8.852	47,550	4.755	.00	00	.000	00	.300
10	206	98101	448.03	11,110	.867	273,585	27.493	848.86	375,566	30.511	11,473,985	1,172.254
10	206	98504	21.06	785	.045	9,407	.947	.00	00	.000	00	.300
10	206		596.04	159,947	9.734	327,542	33.195	848.86	375,556	30.511	11,473,985	1,172.254
10	208	03723	19.02	675	.039	9,050	.810	.00	30	.000	00	.300
10	208	03721	.14	05	.000	63	.006	.00	00	.000	00	.300
10	208	03724	1.06	40	.002	474	.048	.00	00	.000	00	.300
10	208		19.22	720	.041	9,587	.864	.00	30	.000	00	.333
10	503	97225	6.15	230	.013	2,746	.276	.00	30	.000	00	.300
10	503	97330	254.69	9,466	.769	114,320	12.491	189.20	113	.006	1,094	5.241
10	503		260.84	9,696	.782	117,066	12.767	189.20	113	.006	1,094	5.241
10	907	99801	.00	00	.000	00	.000	.00	30	.000	00	.300
10	907		.00	00	.000	00	.000	.00	00	.000	00	.300
10			878.10	170,363	10.617	453,195	46.826	1,036.06	375,679	30.517	11,475,079	1,177.495

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99990	272.50	247,717	13.833	119,664	12.132	.00	00	.000	00	.000
99 999	272.50	247,717	13.833	119,664	12.132	.00	00	.000	00	.000
99	272.50	247,717	13.833	119,664	12.132	.00	00	.000	00	.000
	58,354.34	15,619,810	1,030.962	24,336,673	2,808.605	27,905.62	39,125,135	7,183.277	386,446,359	47,411.332

1555 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
DC	202	20005	689.20	14,652	1.510	735,726	70.671	.00	00	.000	00	.000
DC	202	20015	21.67	814	.055	13,496	1.950	.00	00	.000	00	.000
DC	202	20036	2.40	08	.013	08	.013	.00	00	.000	00	.000
DC	202	20460	8,945.65	729,844	54.313	3,473,679	351.921	3,719.39	5,496,088	2,085.194	56,294,695	7,922.389
DC	202		9,658.92	749,518	55.921	4,235,111	424.555	3,719.39	5,496,088	2,085.194	56,294,695	7,922.389
DC	301	20852	704.11	16,361	3.565	121,852	14.477	.00	00	.000	00	.000
DC	301	20902	77.71	2,921	.233	35,022	3.498	.00	00	.000	00	.000
DC	301	20913	2.84	21	.002	2,302	.230	.00	00	.000	00	.000
DC	301		784.66	19,303	3.800	159,176	18.205	.00	00	.000	00	.000
DC	703	20460	295.23	13,041	1.039	127,905	12.797	.00	00	.000	00	.000
DC	703	22041	15.92	2,905	2.905	2,905	2.905	.00	00	.000	00	.000
DC	703	22043	25.81	87	.139	87	.139	.00	00	.000	00	.000
DC	703	22101	.65	404	.024	349	.035	.00	00	.000	00	.000
DC	703	22153	6.19	2,310	.138	1,923	.883	.00	00	.000	00	.000
DC	703	22201	48.75	1,832	.146	43,870	4.388	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22213	6.68	2,150	.088	3,661	.199	.00	00	.000	00	.000
DC	703	22314	67.51	2,674	.303	12,696	1.293	.00	00	.000	00	.000
DC	703		466.74	25,403	4.779	193,596	22.636	.00	00	.000	00	.000
DC			10,710.32	794,224	64.500	4,555,883	465.396	3,719.39	5,496,088	2,085.194	56,294,695	7,922.389

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI 919 27111	10.57	390	.033	4,892	.478	.00	00	.000	00	.300
RI 919 27611	1.90	107	.009	429	.043	.00	00	.000	00	.300
RI 919 27702	704.55	239,393	14.363	42,856	16.397	.00	00	.000	00	.300
RI 919 27711	6,276.14	4,364,368	256.714	2,655,159	291.336	2,869.79	10,333,248	1,440.855	52,846,744	5,311.953
RI 919	6,994.16	4,604,254	271.119	2,733,335	308.254	2,869.79	10,333,248	1,440.855	52,846,744	5,311.953
RI	6,994.16	4,604,254	271.119	2,733,335	308.254	2,869.79	10,333,248	1,440.855	52,846,744	5,311.953

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
01 203 06019	.00	00	.000	00	.000	.00	00	.000	00	.000
01 203 06108	92.39	22,794	1.367	47,717	4.772	.00	00	.000	00	.000
01 203 06109	81.53	6,516	.624	10,474	1.037	.00	00	.000	00	.000
01 203	173.92	29,312	1.991	54,191	5.809	.00	00	.000	00	.000
01 207 04333	.42	18	.001	272	.028	.00	00	.000	00	.000
01 207	.42	18	.001	272	.028	.00	00	.000	00	.000
01 401 02802	12.20	458	.036	5,557	.550	73.65	5,557	.476	212,598	28.513
01 401	12.20	458	.036	5,557	.550	73.65	5,557	.476	212,598	28.513
01 617 01294	2.67	160	.013	1,928	.193	.00	00	.000	00	.000
01 617 01452	6.41	221	.016	4,919	.493	.00	00	.000	00	.000
01 617 02114	72.69	24,351	1.461	34,871	3.487	.00	00	.000	00	.000
01 617 02201	209.29	24,240	1.271	111,655	11.105	311.16	161,729	8.797	4,332,408	497.120
01 617	293.26	48,972	2.763	153,373	15.276	311.16	161,729	8.797	4,332,408	497.120
01 802 05602	8.28	217	.017	4,041	.485	.00	00	.000	00	.000
01 802	8.28	217	.017	4,041	.485	.00	00	.000	00	.000
01	486.08	78,977	4.638	225,234	22.150	384.81	167,286	9.273	4,545,006	525.633

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
02 201 08617	12.70	93	.004	18	.002	.00	00	.000	00	.000
02 201 27709	24.92	936	.075	22,422	2.243	.00	00	.000	00	.000
02 201	37.62	1,029	.079	22,440	2.245	.00	00	.000	00	.000
02 212 10007	1,974.54	106,314	7.491	856,316	84.077	341.19	85,269	6.339	3,270,922	411.107
02 212 10471	203.97	7,645	.608	91,833	9.184	.00	00	.000	00	.000
02 212	2,178.51	113,959	8.099	943,149	93.261	341.19	85,269	6.339	3,270,922	411.107
02 515 11973	87.36	3,260	.262	39,310	3.931	.00	00	.000	00	.000
02 516	87.36	3,260	.262	39,310	3.931	.00	00	.000	00	.000
02 518 12181	.21	02	.000	170	.017	.00	00	.000	00	.000
02 518	.21	02	.000	170	.017	.00	00	.000	00	.000
02 609 08625	13.23	366	.029	7,761	.775	.00	00	.000	00	.000
02 609	13.23	366	.029	7,761	.775	.00	00	.000	00	.000
02	2,316.93	118,616	8.469	1,017,850	100.229	341.19	85,269	6.339	3,270,922	411.107

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
03	215	19106	817.28	33,759	2.550	45,904	36.660	783.03	180,066	18.740	26,235,562	3,420.187
03	215		817.28	33,759	2.550	45,904	36.660	783.03	180,066	18.740	26,235,562	3,420.187
03	301	21010	1.16	46	.004	581	.058	.00	00	.000	00	.000
03	301	21218	34.01	117	.187	117	.187	.00	00	.000	00	.000
03	301		35.17	163	.191	698	.245	.00	00	.000	00	.000
03			853.45	33,924	2.741	45,602	36.905	783.03	180,066	18.740	26,235,562	3,420.187

1980 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
04	205	35060	1.40	345	.021	722	.072	.00	00	.000	00	.000
04	205	35[illegible]	427.65	149,650	6.979	195,062	19.667	.00	00	.000	00	.000
04	205	36109	75.51	561	.045	51,168	6.117	.00	00	.000	00	.000
04	205		504.56	150,556	9.045	259,952	25.996	.00	00	.000	00	.000
04	404	40308	1,211.11	651,095	39.661	479,993	47.998	1,649.67	1,356,016	96.780	26,203,847	3,074.717
04	404	40601	147.70	4,657	.377	75,551	7.639	104.43	38	.378	129,368	12.933
04	404		1,358.81	655,752	40.238	555,344	55.637	1,754.30	1,356,024	97.158	26,333,215	3,087.650
04	303	29201	13.41	424	.062	2,468	.241	.00	00	.000	00	.000
04	303		13.41	424	.062	2,468	.241	.00	00	.000	00	.000
04	904	32561	133.13	4,998	.400	63,028	5.992	.03	9,221	.672	296,546	39.665
04	904		133.13	4,998	.400	63,028	5.992	.03	9,221	.672	296,546	39.665
04			2,009.91	811,730	49.745	878,792	87.866	1,754.33	1,365,245	97.830	26,629,761	3,127.315

1995 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
35	216	44106	.00	00	.000	00	.000	.00	00	.000	00	.000
35	216		.00	00	.000	00	.000	.00	00	.000	00	.000
35	217	61820	4.50	169	.013	2,024	.202	.00	00	.000	00	.000
35	217		4.50	169	.013	2,024	.202	.00	00	.000	00	.000
35	219	55804	4.97	186	.015	2,240	.224	.00	00	.000	00	.000
35	219		4.97	186	.015	2,240	.224	.00	00	.000	00	.000
35	312	55101	2.00	75	.006	899	.090	.00	00	.000	00	.000
35	312	60439	5.50	207	.016	2,473	.247	.00	00	.000	00	.000
35	312	60604	836.23	280,533	18.910	243,181	25.826	959.47	1,660,058	95.764	7,136,454	1,021.757
35	312	60609	11.99	452	.036	5,397	.540	.00	00	.000	00	.000
35	312		855.72	281,267	18.968	243,950	26.703	959.47	1,660,058	95.764	7,136,454	1,021.757
35	313	46105	25.29	952	.076	11,364	1.144	.00	00	.000	00	.000
35	313	48106	64.02	8,519	.539	22,460	2.246	.00	00	.000	00	.000
35	313	48138	332.46	30,842	1.950	155,636	15.667	1,069.91	137,008	10.205	4,437,437	564.415
35	313	60604	.77	880	.053	293	.030	.00	00	.000	00	.000
35	313		422.54	41,193	2.618	190,753	19.067	1,069.91	137,008	10.205	4,437,437	564.415
35	317	46207	.00	00	.000	00	.000	.00	00	.000	00	.000
35	317		.00	00	.000	00	.000	.00	00	.000	00	.000
35	414	53225	14.99	565	.045	5,746	.675	.00	00	.000	00	.000
35	414	54303	3.00	113	.009	1,349	.135	.00	00	.000	00	.000
35	414		17.99	678	.054	5,095	.810	.00	00	.000	00	.000
35	417	44870	.00	00	.000	00	.000	.00	00	.000	33,414	3.341
35	417		.00	00	.000	00	.000	.00	00	.000	33,414	3.341
35	513	11973	391.67	14,618	1.175	176,249	17.625	.00	00	.000	00	.000
35	513	44870	139.60	16,794	1.344	16,794	1.344	.00	00	.000	00	.000

1955 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
35 513 45244	52.09	1,902	.156	23,013	2.301	.00	00	.000	00	.000
35 513 45267	1.05	19	.036	632	.063	.03	00	.000	00	.000
35 513 45268	771.12	158,611	7.578	395,129	38.031	9.63	169,633	6.339	2,705,380	177.256
35 513	1,357.13	192,074	10.261	635,617	60.264	9.63	169,633	6.339	2,705,360	177.256
35 517 48526	67.47	2,541	.202	33,356	3.036	.00	00	.000	00	.000
35 517	67.47	2,541	.202	33,356	3.036	.03	00	.000	00	.000
35 608 53597	3.50	132	.010	1,574	.157	.03	00	.000	00	.000
35 608 53767	36.48	1,374	.139	16,415	1.642	.00	00	.000	00	.000
35 608	39.96	1,506	.119	17,989	1.799	.00	00	.000	00	.000
35 612 55113	109.45	4,122	.328	49,244	4.925	.00	00	.000	00	.000
35 612	109.45	4,122	.328	49,244	4.925	.00	00	.000	00	.000
35 715 53226	1.50	132	.010	1,574	.157	.00	00	.000	00	.000
35 715	3.50	132	.010	1,574	.157	.00	00	.000	00	.000
35 812 47711	.50	19	.031	225	.022	.00	00	.000	00	.000
35 812	.50	19	.031	225	.022	.03	00	.000	00	.000
35	2,863.75	523,887	32.589	1,157,267	117.229	2,039.01	1,966,699	112.338	14,312,685	1,766.769

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
06	214	75270	423.16	20,691	1.656	131,544	13.161	606.02	191,762	18.010	5,639,137	706.884
06	214		423.16	20,691	1.656	131,544	13.161	606.02	191,762	18.010	5,639,137	706.884
06	405	73106	29.05	830	.067	18,485	1.849	.00	00	.000	00	.000
06	405	74820	2.14	79	.006	958	.097	71.41	02	.039	16,645	1.675
06	405		31.19	909	.073	19,443	1.946	71.41	02	.039	16,645	1.675
06	501	72209	41.33	1,180	.095	26,302	2.631	.00	00	.000	00	.000
06	501		41.33	1,180	.095	26,302	2.631	.00	00	.000	00	.000
06	504	70160	73.75	2,532	.203	34,043	3.805	.00	00	.000	00	.000
06	504	70893	78.07	2,928	.234	35,134	3.513	.00	00	.000	00	.000
06	504	70896	6.55	245	.020	2,945	.295	.00	00	.000	00	.000
06	504		158.37	5,705	.457	76,122	7.613	.00	00	.000	00	.000
06	505	87501	24.57	702	.056	15,633	1.564	.00	00	.000	00	.000
06	505		24.57	702	.056	15,633	1.564	.00	00	.000	00	.000
06	512	78711	2.82	81	.006	1,795	.180	.00	00	.000	00	.000
06	512		2.82	61	.006	1,796	.180	.00	00	.000	00	.000
06			681.44	29,266	2.343	273,840	27.395	677.43	191,764	18.049	5,655,782	708.559

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07 402 68102	.11	04	.000	52	.005	.00	00	.000	00	.000
07 402 68509	.00	00	.000	00	.000	.00	00	.000	00	.000
07 402	.11	04	.000	52	.005	.00	00	.000	00	.000
07 515 50316	19.01	713	.057	6,549	.855	.00	00	.000	00	.000
07 515	19.01	713	.057	6,549	.855	.00	00	.000	00	.000
07 816 64108	194.32	10,355	1.668	69,753	6.994	372.86	46,883	6.833	535,006	114.732
07 816	194.32	10,355	1.668	69,753	6.994	372.86	46,883	6.833	535,006	114.732
07 913 66620	34.80	1,305	.104	15,657	1.566	.00	00	.000	00	.000
07 913	34.80	1,305	.104	15,657	1.566	.00	00	.000	00	.000
07	248.24	12,377	1.829	94,011	9.420	372.86	46,883	6.833	535,006	114.732

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
5B	303	80203	190.74	67,121	4.164	77,361	7.754	331.24	186,654	12.237	3,180,396	355.368
5B	303	80223	13.79	363	.029	9,095	.808	.00	00	.000	00	.300
5B	303	80225	513.90	19,464	1.561	248,201	23.097	216.56	15,177	11.404	323,531	21.350
5B	303		718.43	86,948	5.754	333,657	31.659	547.80	201,831	23.641	3,503,927	376.418
5B	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.000
5B	307		.00	00	.000	00	.000	.00	00	.000	00	.300
5B	605	57501	34.71	1,302	.105	15,599	1.562	.00	00	.000	00	.330
5B	605		34.71	1,302	.105	15,599	1.562	.00	00	.000	00	.330
5B	701	58501	8.90	234	.018	5,226	.522	.00	00	.000	00	.330
5B	701		8.90	234	.018	5,226	.522	.00	00	.000	00	.333
5B			762.04	68,484	5.877	354,482	33.743	547.80	201,831	23.641	3,503,927	376.418

1985 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
09	213	90069	40.29	1,469	.120	19,543	1.840	.00	00	.000	00	.000
09	213	90051	27.72	810	.064	116,158	1.516	.00	00	.000	00	.000
09	213		68.01	2,299	.184	134,701	3.358	.00	00	.000	00	.000
09	415	94111	370.19	33,093	3.326	212,147	242.546	219.11	163,483	8.130	1,609,850	515.100
09	415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
09	415		370.19	33,093	3.326	212,147	242.546	219.11	163,483	8.130	1,609,850	515.100
09	702	89114	650.99	21,003	1.647	363,291	36.353	264.04	7,378	15.537	6,797,542	679.755
09	702	89710	18.59	697	.056	5,367	.836	.00	00	.000	00	.000
09	702	89914	8.11	456	.036	1,825	.182	.00	00	.000	00	.000
09	702	98114	34.51	257	.021	27,953	2.795	.00	00	.000	00	.000
09	702		712.23	22,413	1.760	431,436	40.166	264.04	7,378	15.537	6,797,542	679.755
09	707	17055	46.22	155	.248	155	.249	.00	00	.000	00	.000
09	707		46.22	155	.248	155	.249	.00	00	.000	00	.000
09	714	92702	.75	28	.002	336	.034	.00	00	.000	00	.000
09	714	92806	1.50	56	.005	676	.068	.00	00	.000	00	.000
09	714		2.25	84	.007	1,014	.102	.00	00	.000	00	.000
09	805	91320	391.24	363,473	21.814	154,359	15.436	.00	00	.000	00	.000
09	805		391.24	363,473	21.814	154,359	15.436	.00	00	.000	00	.000
09	916	95801	50.67	1,486	.118	213,129	2.766	.00	00	.000	00	.000
09	916	95825	29.95	875	.069	125,492	1.641	.00	00	.000	00	.000
09	916		80.82	2,361	.187	338,621	4.427	.00	00	.000	00	.000
09			1,670.93	423,878	27.526	1,242,433	306.284	463.15	170,861	23.667	8,407,392	1,194.855

1980 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
10	206	97965	37.92	43,532	2.612	13,982	1.398	.00	00	.000	00	.300
10	206	98101	213.60	5,262	.399	133,098	13.427	415.54	197,867	15.521	4,907,892	504.629
10	206	98504	11.18	418	.015	4,969	.502	.00	00	.000	00	.300
10	206		262.50	49,212	3.026	149,069	15.327	415.54	197,867	15.521	4,907,892	504.629
10	208	83720	9.56	358	.013	4,269	.430	.00	00	.000	00	.300
10	208	83721	.08	03	.000	33	.003	.00	00	.000	00	.300
10	208	83724	.56	21	.001	251	.025	.00	00	.000	00	.300
10	208		10.20	382	.014	4,553	.458	.00	00	.000	00	.300
10	503	97225	3.26	122	.005	1,456	.147	.00	00	.000	00	.300
10	503	97330	127.00	4,737	.386	57,021	6.742	73.43	37	.002	360	1.731
10	503		130.26	4,859	.391	55,477	6.889	73.43	37	.002	360	1.731
10	907	99801	.00	00	.000	00	.000	.00	00	.000	00	.300
10	907		.00	00	.000	00	.000	.00	00	.000	00	.300
10			403.36	54,453	3.431	212,099	22.674	488.97	197,904	15.523	4,908,252	506.160

1995 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/09/77

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99990	161.56	123,323	6.330	69,229	7.063	.00	00	.000	00	.000
99 999	161.56	123,323	6.330	69,229	7.063	.00	00	.000	00	.000
99	161.56	123,323	6.330	69,229	7.063	.00	00	.000	00	.000
	30,383.97	7,697,395	481.337	12,633,067	1,544.328	14,461.76	20,403,144	3,858.252	207,145,734	25,385.777

199[illegible] - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
			INPUT		OUTPUT		INPUT			OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
DC	202	20005	1,155.44	31,175	2.497	975,317	97.032	.00	00	.000	00	.300
DC	202	20016	35.18	1,321	.106	31,652	3.166	.00	00	.000	00	.300
DC	202	20036	4.28	14	.023	14	.023	.00	30	.000	00	.330
DC	202	20460	15,321.43	1,213,859	95.721	6,012,937	601.485	6,292.97	9,255,230	3,569.571	91,403,585	12,769.532
DC	202		16,516.33	1,246,373	98.347	7,022,920	702.504	6,292.97	9,255,230	3,569.571	91,403,585	12,769.532
DC	301	20852	1,304.02	32,865	6.837	243,544	26.063	.00	00	.000	00	.300
DC	301	20902	125.96	4,733	.378	55,764	5.669	.03	00	.000	00	.333
DC	301	20915	4.30	32	.033	3,462	.348	.00	30	.006	00	.330
DC	301		1,435.08	37,670	7.016	353,790	34.100	.00	00	.000	00	.300
DC	703	20460	382.47	22,688	1.859	223,394	22.050	.00	30	.000	00	.330
DC	703	22041	27.40	5,000	5.000	5,000	5.000	.03	00	.030	00	.333
DC	703	22043	45.99	154	.247	154	.247	.00	30	.300	00	.330
DC	703	22101	1.17	711	.043	633	.063	.00	30	.000	00	.300
DC	703	22150	10.11	3,593	.215	2,913	.962	.00	30	.000	00	.300
DC	703	22203	79.14	2,973	.237	71,217	7.123	.00	00	.000	00	.333
DC	703	22209	.00	00	.030	00	.000	.00	00	.000	00	.300
DC	703	22210	11.07	3,524	.139	6,121	.313	.00	00	.000	00	.330
DC	703	22314	117.39	5,437	.522	22,330	2.233	.00	00	.030	00	.300
DC	703		674.74	44,080	8.212	328,762	38.311	.03	30	.000	00	.333
DC			16,626.15	1,328,103	113.577	7,652,472	774.615	6,292.97	9,255,230	3,569.571	91,403,585	12,769.532

1973 - SEMESTER I
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RI	919	27111	11.43	663	.056	5,431	.524	.00	00	.000	00	.000
RI	919	27611	2.93	163	.015	653	.065	.00	00	.000	00	.000
RI	919	27702	1,004.70	341,861	20.511	113,041	23.415	.00	00	.000	00	.000
RI	919	27711	11,544.12	8,233,866	488.955	4,847,769	510.523	5,117.40	18,335,669	2,483.089	93,853,232	9,408.349
RI	919		12,569.95	8,576,567	539.535	4,969,894	534.827	5,117.40	18,335,669	2,483.089	93,853,232	9,408.349
RI			12,569.95	8,576,567	539.535	4,969,894	534.827	5,117.40	18,335,669	2,483.089	93,853,232	9,408.349

1972 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
01	203	06019	.00	00	.000	00	.000	.00	00	.000	00	.000
01	203	06108	196.28	46,923	2.935	102,410	10.241	.00	00	.000	00	.000
01	203	06109	122.76	8,826	.810	24,604	1.582	.00	00	.000	00	.000
01	203		321.04	57,759	3.745	127,014	11.823	.00	00	.000	00	.000
01	207	04333	.69	36	.003	565	.056	.00	00	.000	00	.000
01	207		.69	36	.003	565	.056	.00	00	.000	00	.000
01	401	02882	19.52	732	.058	8,885	.880	112.09	8,885	.760	339,894	45.585
01	401		19.52	732	.058	8,885	.880	112.09	8,885	.760	339,894	45.585
01	617	01754	2.67	368	.024	3,695	.369	.00	00	.000	00	.000
01	617	01452	19.00	490	.039	11,106	1.112	.00	00	.000	00	.000
01	617	02114	115.59	38,617	2.317	55,299	5.530	.00	00	.000	00	.000
01	617	02203	373.54	51,470	3.036	231,375	20.526	617.58	326,336	19.035	7,907,397	929.739
01	617		510.60	90,893	5.416	277,475	27.537	617.58	326,336	19.035	7,907,397	929.739
01	807	05662	16.70	490	.039	13,929	1.094	.00	00	.000	00	.000
01	802		16.70	490	.039	13,929	1.094	.00	00	.000	00	.000
01			870.75	149,916	9.251	426,668	41.393	729.67	335,221	19.795	8,247,291	975.324

1993 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LOW SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
02 201 00017	33.23	240	.010	49	.005	.00	00	.000	00	.000
02 201 27209	40.45	1,520	.121	36,400	3.641	.00	00	.000	00	.000
02 201	73.68	1,760	.131	36,449	3.646	.00	00	.000	00	.000
02 212 10007	4,026.84	223,252	16.178	1,759,395	169.501	752.49	202,067	14.815	7,804,283	981.549
02 212 10471	351.03	13,157	1.047	156,049	15.805	.00	00	.000	00	.000
02 212	4,377.87	236,409	17.225	1,922,444	185.306	752.49	202,067	14.815	7,804,283	981.549
02 516 11973	149.38	5,575	.448	67,223	6.722	.00	00	.000	00	.000
02 516	149.38	5,575	.448	67,223	6.722	.00	00	.000	00	.000
02 518 12161	.55	05	.000	446	.044	.00	00	.000	00	.000
02 518	.55	05	.000	446	.044	.00	00	.000	00	.000
02 609 08725	27.16	733	.058	15,955	1.590	.00	00	.000	00	.000
02 609	27.16	733	.058	15,955	1.590	.00	00	.000	00	.000
02	4,626.94	244,488	17.862	2,042,517	197.308	752.49	202,067	14.815	7,804,283	981.549

1993 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGR/PHIC LOCATION

REG	AREA	ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
03	215	19106	1,732.42	73,449	5.434	95,661	77.649	1,661.94	381,554	39.744	55,684,952	7,259.487
03	215		1,732.42	73,449	5.434	95,681	77.649	1,661.94	381,554	39.744	55,684,952	7,259.487
03	401	21010	2.14	65	.007	1,023	.102	.00	00	.000	00	.000
03	401	21218	62.04	208	.333	208	.333	.00	00	.000	00	.000
03	301		64.18	293	.340	1,231	.435	.00	00	.000	00	.000
03			1,796.60	73,742	5.744	97,912	78.084	1,661.94	381,554	39.744	55,684,952	7,259.487

1990 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
04	205	35003	3.00	746	.044	1,549	.155	.00	00	.000	00	.000
04	205	35006	680.69	239,711	14.364	317,508	31.759	.00	00	.000	00	.000
04	205	36107	114.23	849	.069	92,527	9.253	.00	00	.000	00	.000
04	205		903.92	241,400	14.497	411,664	41.167	.00	00	.000	00	.000
04	404	30308	2,041.33	1,380,343	54.190	831,541	83.149	2,857.18	2,649,494	185.340	45,754,152	5,628.777
04	404	30608	333.08	10,230	.026	175,261	17.632	242.81	19	.881	300,750	30.367
04	404		2,375.21	1,390,573	85.016	1,007,802	100.781	3,099.99	2,649,513	186.221	46,054,902	5,658.844
04	803	29201	20.96	849	.096	3,826	.373	.00	00	.000	00	.000
04	803		20.96	849	.096	3,826	.373	.00	00	.000	00	.000
04	904	32501	212.83	7,993	.639	95,970	9.579	.05	15,594	1.074	474,112	63.415
04	904		212.83	7,993	.639	95,970	9.579	.05	15,594	1.074	474,112	63.415
04			3,412.92	1,640,715	100.248	1,519,262	151.903	3,100.04	2,665,107	187.295	46,529,014	5,722.259

1990 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

12/09/77

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		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
05 216 44106	.00	00	.000	00	.000	.00	00	.000	00	.000
05 216	.00	00	.000	00	.000	.00	00	.000	00	.000
05 217 61820	8.78	331	.026	3,952	.395	.00	00	.000	00	.000
05 217	8.78	331	.026	3,952	.395	.00	00	.000	00	.000
05 218 55804	6.56	321	.026	3,855	.385	.00	00	.000	00	.000
05 218	6.56	321	.026	3,855	.385	.00	00	.000	00	.000
05 312 55101	3.90	147	.012	1,757	.176	.00	00	.000	00	.000
05 312 60439	10.74	404	.032	4,831	.483	.00	00	.000	00	.000
05 312 60604	1,717.40	590,148	39.958	477,923	51.805	1,894.16	3,476,738	201.169	14,525,230	2,045.499
05 312 60609	23.42	882	.070	10,540	1.054	.00	00	.000	00	.000
05 312	1,755.46	591,561	40.072	495,051	53.513	1,894.16	3,476,738	201.169	14,525,230	2,045.499
05 313 48105	42.15	1,564	.127	19,899	1.903	.00	00	.000	00	.000
05 313 48106	125.08	16,646	1.053	43,874	4.368	.00	00	.000	00	.000
05 313 48138	609.22	91,615	5.607	207,529	20.754	1,355.16	273,484	19.379	7,860,464	965.353
05 313 60604	1.23	1,263	.077	456	.046	.00	00	.000	00	.000
05 313	777.68	111,330	6.864	273,758	27.091	1,355.16	273,484	19.379	7,860,464	965.353
05 317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05 317	.00	00	.000	00	.000	.00	00	.000	00	.000
05 414 53225	25.28	1,103	.088	13,174	1.318	.00	00	.000	00	.000
05 414 54301	5.86	221	.018	2,635	.264	.00	00	.000	00	.000
05 414	35.14	1,324	.106	15,809	1.562	.00	00	.000	00	.000
05 419 44673	.00	00	.000	00	.000	.00	00	.000	56,099	5.539
05 419	.00	00	.000	00	.000	.00	00	.000	56,099	5.539
05 519 11971	665.76	24,997	2.608	301,393	30.139	.00	00	.000	00	.000
05 519 44673	234.37	28,195	2.256	23,195	2.256	.00	00	.000	00	.000

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
05	513	45244	91.02	3,412	.271	43,963	4.098	.00	00	.000	00	.300
05	513	45267	3.36	125	.010	1,514	.152	.00	00	.000	00	.300
05	513	45268	1,330.09	246,187	13.306	691,307	69.145	17.25	287,230	11.372	4,646,858	316.245
05	513		2,335.40	302,910	17.051	1,053,392	105.790	17.25	287,230	11.372	4,646,858	316.245
05	517	46926	131.76	4,962	.395	59,285	5.929	.00	00	.000	00	.300
05	517		131.76	4,962	.395	59,285	5.929	.00	00	.000	00	.300
05	608	53597	6.63	257	.020	3,074	.307	.00	00	.000	00	.300
05	608	53707	71.25	2,683	.214	32,058	3.206	.00	00	.000	00	.300
05	608		78.08	2,940	.234	35,132	3.513	.00	00	.000	00	.300
05	612	55113	213.75	8,049	.641	95,173	9.618	.00	00	.000	00	.300
05	612		213.75	8,049	.641	95,173	9.618	.00	00	.000	00	.300
05	715	53220	6.63	257	.020	3,074	.307	.00	00	.000	00	.300
05	715		6.63	257	.020	3,074	.307	.00	00	.000	00	.300
05	812	47711	.96	37	.003	439	.044	.00	00	.000	00	.300
05	812		.96	37	.003	439	.044	.00	00	.000	00	.300
05			5,352.42	1,024,046	66.238	2,045,920	206.172	3,266.57	4,037,452	231.920	27,088,651	3,332.436

1993 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
06	214	75270	840.21	41,033	3.283	258,303	25.647	1,206.32	335,536	35.820	11,032,748	1,403.721
06	214		840.21	41,033	3.283	258,303	25.647	1,206.32	335,536	35.820	11,032,748	1,403.721
06	405	73195	60.89	1,665	.134	37,105	3.712	.00	00	.000	00	.000
06	405	74620	4.64	172	.013	2,084	.211	155.40	34	.084	36,219	3.543
06	405		65.53	1,837	.147	39,189	3.923	155.40	34	.084	36,219	3.543
06	501	72209	86.64	2,369	.190	52,796	5.282	.00	00	.000	00	.000
06	501		86.64	2,369	.190	52,796	5.282	.00	00	.000	00	.000
06	504	70163	145.93	4,918	.394	74,374	7.439	.00	00	.000	00	.000
06	504	70693	149.46	5,605	.449	57,267	6.727	.00	00	.000	00	.000
06	504	70696	12.53	470	.038	5,639	.564	.00	00	.000	00	.000
06	504		307.94	10,993	.881	137,280	14.730	.00	00	.000	00	.000
06	505	07501	51.50	1,408	.113	31,381	3.140	.00	00	.000	00	.000
06	505		51.50	1,408	.113	31,381	3.140	.00	00	.000	00	.000
06	512	78711	5.92	162	.013	3,605	.361	.00	00	.000	00	.000
06	512		5.92	162	.013	3,605	.361	.00	00	.000	00	.000
06			1,357.74	57,802	4.627	532,554	53.283	1,361.72	335,540	35.904	11,068,967	1,407.354

1993 - SCENARIO I
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07	402	68102	.22	08	.001	96	.010	.00	00	.000	00	.300
07	402	68509	.00	00	.000	00	.000	.00	00	.000	00	.300
07	402		.22	08	.001	96	.010	.00	00	.000	00	.300
07	515	50316	36.14	1,356	.138	16,259	1.626	.00	00	.000	00	.300
07	515		36.14	1,356	.138	16,259	1.626	.00	00	.000	00	.300
07	816	64106	375.33	19,893	3.390	132,364	13.269	726.35	95,072	13.114	1,157,387	222.350
07	816		375.33	19,893	3.390	132,364	13.269	726.35	95,072	13.114	1,157,387	222.350
07	913	66220	66.19	2,482	.198	29,776	2.979	.00	00	.000	00	.300
07	913		66.19	2,482	.198	29,776	2.979	.00	00	.000	00	.300
07			477.08	23,739	3.697	179,497	17.864	726.35	95,072	13.114	1,157,387	222.350

1990 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
38	303 80203	384.95	145,534	9.010	155,594	15.695	672.95	386,535	25.268	6,455,630	733.460
38	303 80223	30.59	815	.064	13,177	1.815	.00	00	.000	00	.000
38	303 80225	760.23	26,863	2.316	351,498	33.599	320.63	22,513	16.904	481,872	24.452
38	303	1,176.17	175,212	11.390	536,269	51.110	993.58	409,048	42.172	6,941,502	757.912
38	307 82002	.00	00	.000	00	.000	.00	00	.000	00	.000
38	307	.00	00	.000	00	.000	.00	00	.000	00	.000
38	605 57501	66.52	2,495	.200	29,896	2.994	.00	00	.000	00	.000
38	605	66.52	2,495	.200	29,896	2.994	.00	00	.000	00	.000
38	701 59501	20.00	526	.041	11,735	1.172	.00	00	.000	00	.000
38	701	20.00	526	.041	11,735	1.172	.00	00	.000	00	.000
38		1,262.69	178,233	11.631	577,900	55.276	993.58	409,048	42.172	6,941,502	757.912

1990 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LOW SPEED					HIGH SPEED				
REG	AREA ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
39	213 90009	69.01	2,493	.291	31,563	3.152	.00	00	.000	00	.300
39	213 90051	45.55	1,345	.107	125,771	2.481	.00	00	.000	00	.300
39	213	113.56	3,838	.398	157,334	5.613	.00	00	.000	00	.300
39	415 94111	724.76	56,123	5.568	359,048	361.221	402.13	274,599	12.812	2,673,431	938.625
39	415 94704	.00	00	.000	00	.000	.00	00	.000	00	.330
39	415	724.76	56,123	5.568	359,048	361.221	402.13	274,599	12.812	2,673,431	938.625
39	702 89114	1,075.42	35,044	2.737	634,623	60.499	435.32	11,815	25.600	11,095,213	1,109.521
39	702 89710	40.55	1,521	.122	18,255	1.825	.00	30	.000	00	.330
39	702 89914	12.38	697	.056	2,787	.279	.00	30	.000	00	.330
39	702 98114	52.20	318	.031	42,284	4.228	.00	00	.000	00	.330
39	702	1,180.55	37,650	2.946	657,949	66.831	435.32	11,815	25.600	11,095,213	1,109.521
39	707 17055	82.36	276	.442	276	.443	.00	30	.000	00	.300
39	707	82.36	276	.442	276	.443	.00	30	.000	00	.300
39	714 92702	1.64	61	.035	738	.074	.00	00	.000	00	.330
39	714 92806	3.28	123	.010	1,475	.147	.00	30	.000	00	.300
39	714	4.92	184	.015	2,213	.221	.00	00	.000	00	.333
39	805 91320	978.04	985,122	59.115	375,461	37.546	.00	00	.000	00	.333
39	805	978.04	985,122	59.115	375,461	37.546	.00	00	.000	00	.300
39	916 95601	83.58	2,468	.196	233,767	4.552	.00	00	.000	00	.330
39	916 95825	49.21	1,453	.115	135,878	2.660	.00	30	.000	00	.330
39	916	132.79	3,921	.311	355,645	7.232	.00	30	.000	00	.330
39		3,216.98	1,087,114	68.705	1,934,926	479.107	837.45	286,414	38.412	13,766,644	2,048.146

1973 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LOW SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
10	206	97955	117.96	129,692	7.781	41,657	4.166	.00	00	.000	00	.000
10	206	98101	429.20	10,692	.629	259,343	26.306	814.22	361,350	29.310	10,948,798	1,118.837
10	206	98504	20.27	700	.043	9,054	.912	.00	00	.000	00	.000
10	206		562.49	141,104	8.653	310,054	31.444	814.22	361,350	29.310	10,948,798	1,118.837
10	208	83720	17.35	650	.037	7,747	.780	.00	00	.000	00	.000
10	208	83721	.14	05	.000	61	.006	.00	00	.000	00	.000
10	208	83724	1.02	38	.002	456	.046	.00	00	.000	00	.000
10	208		18.51	693	.039	8,264	.832	.00	00	.000	00	.000
10	503	97225	5.92	222	.013	2,643	.266	.00	00	.000	00	.000
10	503	97330	248.48	9,229	.750	111,559	12.211	161.54	95	.005	918	4.402
10	503		254.40	9,451	.763	114,202	12.477	161.54	95	.005	918	4.402
10	907	99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10	907		.00	00	.000	00	.000	.00	00	.000	00	.000
10			835.40	151,246	9.455	432,520	44.753	975.76	361,445	29.315	10,949,716	1,123.239

1993 - SCENARIO 1
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99990	258.56	245,835	13.726	117,472	11.912	.00	00	.000	00	.000
99 999	258.56	245,835	13.726	117,472	11.912	.00	00	.000	00	.000
99	258.56	245,835	13.726	117,472	11.912	.00	00	.000	00	.000
	54,666.96	14,781,544	934.356	22,531,714	2,648.511	25,817.94	36,699,829	6,705.146	374,497,224	46,008.317

1985 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT		INPUT			OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
DC	202	20005	1,012.83	48,497	3.635	1,352,052	136.210	.00	00	.000	00	.000
DC	202	20016	47.43	1,712	.142	42,682	4.269	.00	00	.000	00	.000
DC	202	20036	6.21	21	.033	21	.033	.00	00	.000	00	.000
DC	202	20463	21,576.52	1,759,237	150.626	8,532,165	857.804	9,667.79	13,891,787	5,415.594	135,913,538	18,837.518
DC	202		23,444.99	1,809,507	154.666	9,935,920	998.316	9,667.79	13,891,787	5,415.594	135,913,538	18,837.518
DC	301	20852	2,008.96	51,619	9.586	381,942	44.035	.00	00	.000	00	.000
DC	301	20902	217.67	8,176	.654	93,086	9.796	.00	00	.000	00	.000
DC	301	20910	5.75	43	.033	4,655	.466	.00	00	.000	00	.000
DC	301		2,232.38	59,838	10.643	484,683	54.297	.00	00	.000	00	.000
DC	703	20460	480.47	32,006	2.550	314,508	31.467	.00	00	.000	00	.000
DC	703	22041	70.63	12,886	12.886	12,886	12.886	.00	00	.000	00	.000
DC	703	22043	66.73	224	.356	224	.359	.00	00	.000	00	.000
DC	703	22101	1.63	1,164	.070	979	.098	.00	00	.000	00	.000
DC	703	22150	14.32	4,966	.298	3,974	1.089	.00	00	.000	00	.000
DC	703	22203	106.72	4,009	.320	95,034	9.605	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22210	17.94	5,566	.231	13,073	.458	.00	00	.000	00	.000
DC	703	22314	301.48	15,703	1.346	55,176	5.616	.00	00	.000	00	.000
DC	703		1,060.12	76,546	18.033	494,658	61.562	.00	00	.000	00	.000
DC			26,737.49	1,945,893	183.352	10,695,461	1,114.195	9,667.79	13,891,787	5,415.594	135,913,538	18,837.518

1973 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
RT	919	27111	30.96	1,166	.098	14,366	1.398	.00	00	.000	00	.000
RT	919	27611	3.81	214	.017	658	.066	.00	00	.000	00	.000
RT	919	27702	1,359.14	462,464	27.747	133,648	31.676	.00	00	.000	00	.000
RT	919	27711	18,041.31	12,574,086	749.445	7,437,686	770.557	7,842.15	27,566,205	3,704.035	139,519,727	13,994.490
RT	919		19,435.22	13,037,926	777.305	7,653,696	803.717	7,842.15	27,566,205	3,704.035	139,519,727	13,994.490
RT			19,435.22	13,037,926	777.305	7,653,696	803.717	7,842.15	27,566,205	3,704.035	139,519,727	13,994.490

			LOW SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT		
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
01	203	06019	.00	00	.000	00	.000	.00	00	.000	00	.000
01	203	06108	232.97	57,411	3.440	120,325	12.033	.00	00	.000	00	.000
01	203	06109	241.36	15,507	1.349	45,976	3.405	.00	00	.000	00	.000
01	203		474.33	72,918	4.793	167,302	15.438	.00	00	.000	00	.000
01	207	04333	.98	55	.005	678	.067	.00	00	.000	00	.000
01	207		.98	55	.005	678	.067	.00	00	.000	00	.000
01	401	02802	31.38	1,177	.093	14,279	1.414	174.39	14,279	1.221	546,214	73.257
01	401		31.38	1,177	.093	14,279	1.414	174.39	14,279	1.221	546,214	73.257
01	617	01254	2.67	465	.037	5,589	.559	.00	00	.000	00	.000
01	617	01452	30.34	796	.063	17,739	1.776	.00	00	.000	00	.000
01	617	02114	165.85	55,407	3.324	77,343	7.934	.00	00	.000	00	.000
01	617	02203	549.49	60,654	4.921	303,969	30.628	945.99	502,783	30.009	11,739,409	1,393.459
01	617		748.45	137,322	8.345	412,640	40.897	945.99	502,783	30.009	11,739,409	1,393.459
01	802	05602	29.86	783	.062	17,455	1.748	.00	00	.000	00	.000
01	802		29.86	783	.062	17,455	1.748	.00	00	.000	00	.000
01			1,265.00	212,325	13.298	612,554	59.564	1,120.38	517,062	31.230	12,285,623	1,466.716

1977 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
REG AREA ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
02 201 08817	56.15	301	.015	73	.007	.00	00	.000	00	.000
02 201 27709	54.55	2,045	.104	49,084	4.909	.00	00	.000	00	.000
02 201	109.70	2,417	.179	49,157	4.916	.00	00	.000	00	.000
02 212 10007	5,665.01	317,668	23.173	2,439,129	237.679	1,080.56	295,233	21.578	11,420,319	1,436.745
02 212 10471	611.97	22,931	1.625	275,549	27.555	.00	00	.000	00	.000
02 212	6,276.98	340,600	24.998	2,755,678	265.234	1,080.56	295,233	21.578	11,420,319	1,436.745
02 516 11973	222.84	8,317	.658	100,280	10.028	.00	00	.000	00	.000
02 516	222.84	8,317	.658	100,280	10.028	.00	00	.000	00	.000
02 518 12161	1.10	11	.000	893	.089	.00	00	.000	00	.000
02 518	1.10	11	.000	893	.089	.00	00	.000	00	.000
02 609 08625	38.26	1,025	.081	22,474	2.239	.00	00	.000	00	.000
02 609	38.26	1,025	.081	22,474	2.239	.00	00	.000	00	.000
02	6,643.68	352,376	25.920	2,937,482	282.506	1,080.56	295,233	21.578	11,420,319	1,436.745

1990 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
33 215 [illegible]	2,250.50	100,187	7.326	133,450	105.297	2,255.99	517,755	53.940	75,589,691	9,854.650
33 215	2,450.50	100,187	7.326	133,450	105.297	2,255.99	517,755	53.940	75,589,691	9,854.650
33 [illegible] 21016	2.81	116	.039	1,322	.132	.00	00	.000	00	.300
33 [illegible] 21218	90.01	302	.483	302	.484	.00	00	.000	00	.300
33 [illegible]	92.02	414	.492	1,624	.616	.00	00	.000	00	.300
33	2,443.32	100,599	7.818	132,074	105.913	2,255.99	517,755	53.940	75,589,691	9,854.650

1993 - SCENARIO 4
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT		INPUT			OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
04	205	35661	3.52	869	.054	1,820	.182	.00	00	.000	00	.000
04	205	35805	991.60	345,713	20.745	458,276	45.827	.00	00	.000	00	.000
04	205	36107	152.70	1,134	.062	123,692	12.369	.00	00	.000	00	.000
04	205		1,147.82	347,716	20.889	581,788	58.378	.00	00	.000	00	.000
04	404	30309	2,714.40	1,967,076	119.659	1,115,709	111.662	3,826.27	3,689,847	256.571	61,478,576	7,683.322
04	404	30601	635.01	19,242	1.554	337,649	33.798	466.62	38	1.695	577,930	57.777
04	404		3,349.41	1,986,318	121.413	1,454,558	145.458	4,294.89	3,689,885	258.266	62,056,506	7,740.799
04	803	29201	49.37	2,447	.223	5,940	.872	.00	00	.000	00	.000
04	803		49.37	2,447	.223	5,940	.872	.00	00	.000	00	.000
04	904	32561	342.02	12,847	1.026	154,225	15.394	.08	25,923	1.728	761,909	101.939
04	904		342.02	12,847	1.026	154,225	15.394	.08	25,923	1.728	761,909	101.939
04			4,888.62	2,349,328	143.553	2,231,511	220.102	4,294.97	3,715,808	259.994	62,818,415	7,842.738

1993 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
05 216 44106	.00	00	.000	00	.000	.00	00	.000	00	.000
05 216	.00	00	.000	00	.000	.00	00	.000	00	.000
05 217 61620	12.34	465	.037	5,551	.555	.00	00	.000	00	.000
05 217	12.34	465	.037	5,551	.555	.00	00	.000	00	.000
05 218 55804	14.93	559	.045	6,721	.672	.00	00	.000	00	.000
05 218	14.93	559	.045	6,721	.672	.00	00	.000	00	.000
05 312 55101	5.46	206	.016	2,467	.247	.00	00	.000	00	.000
05 312 60439	15.08	566	.045	6,785	.679	.00	00	.000	00	.000
05 312 60604	2,448.10	846,892	57.409	675,001	73.349	2,669.09	4,962,902	288.556	20,651,076	2,894.259
05 312 60609	32.90	1,239	.099	14,603	1.481	.00	00	.000	00	.000
05 312	2,501.56	848,905	57.569	699,136	75.756	2,669.09	4,962,902	288.556	20,651,076	2,894.259
05 313 46105	61.27	2,301	.194	27,492	2.765	.00	00	.000	00	.000
05 313 46106	175.69	23,368	1.478	61,627	6.164	.00	00	.000	00	.000
05 313 46138	1,100.14	199,962	12.094	297,761	29.773	1,861.34	515,662	35.657	13,934,718	1,675.397
05 313 60604	1.98	1,954	.117	727	.073	.00	00	.000	00	.000
05 313	1,339.08	227,605	13.673	337,567	38.775	1,861.34	515,662	35.657	13,934,718	1,675.397
05 317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
05 317	.00	00	.000	00	.000	.00	00	.000	00	.000
05 414 53225	41.13	1,549	.123	13,504	1.851	.00	00	.000	00	.000
05 414 54303	8.23	310	.025	3,701	.370	.00	00	.000	00	.000
05 414	49.36	1,859	.148	22,205	2.221	.00	00	.000	00	.000
05 419 44870	.00	00	.000	00	.000	.00	00	.000	70,606	7.060
05 419	.00	00	.000	00	.000	.00	00	.000	70,606	7.060
05 513 11973	999.11	37,269	2.596	449,607	44.961	.00	00	.000	00	.000
05 513 44870	294.98	35,467	2.639	35,467	2.639	.00	00	.000	00	.000

1990 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
35 513 45244	156.69	5,946	.473	71,452	7.145	.00	00	.000	00	.300
35 513 45267	5.57	208	.017	2,509	.251	.00	00	.000	00	.300
35 513 45283	1,957.76	373,256	21.380	1,042,056	104.207	31.32	489,732	19.080	7,837,461	522.362
35 513	3,416.11	452,226	27.705	1,631,111	159.403	31.32	489,732	19.080	7,837,461	522.362
35 517 48926	185.07	6,969	.555	83,269	8.326	.00	00	.000	00	.300
35 517	185.07	6,969	.555	83,269	8.326	.00	00	.000	00	.300
35 608 53597	9.60	361	.029	4,318	.432	.00	00	.000	00	.300
35 608 53707	100.07	3,768	.300	45,027	4.503	.00	00	.000	00	.300
35 608	109.67	4,129	.329	49,345	4.935	.00	00	.000	00	.300
35 612 55113	300.22	11,305	.900	135,081	13.510	.00	00	.000	00	.300
35 612	300.22	11,305	.900	135,081	13.510	.00	00	.000	00	.300
35 715 53226	9.60	361	.029	4,318	.432	.00	00	.000	00	.300
35 715	9.60	361	.029	4,318	.432	.00	00	.000	00	.300
35 812 47711	1.37	52	.004	617	.062	.00	00	.000	00	.300
35 812	1.37	52	.004	617	.062	.00	00	.000	00	.300
35	7,939.31	1,554,437	101.194	2,994,921	304.649	4,561.75	5,988,296	343.293	42,493,861	5,100.258

1980 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG	AREA	ZIP	LO SPEED CONNECT-TIME	LO SPEED INPUT # TRANS	LO SPEED INPUT CHARS(M)	LO SPEED OUTPUT # TRANS	LO SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
06	214	75270	1,288.49	62,896	5.031	394,546	39.480	1,851.52	490,069	54.962	16,829,903	2,152.595
06	214		1,288.49	62,896	5.031	394,546	39.480	1,851.52	490,069	54.962	16,829,903	2,152.595
06	405	73105	95.12	2,564	.206	57,119	5.715	.00	00	.000	00	.000
06	405	74820	8.69	323	.024	3,966	.395	291.23	08	.158	67,875	6.927
06	405		103.81	2,887	.230	61,025	6.110	291.23	08	.158	67,875	6.927
06	501	72209	135.34	3,648	.293	81,272	8.131	.00	00	.000	00	.000
06	501		135.34	3,648	.293	81,272	8.131	.00	00	.000	00	.000
06	504	70160	223.52	7,481	.599	113,424	11.345	.00	00	.000	00	.000
06	504	70053	226.23	8,463	.679	101,605	10.161	.00	00	.000	00	.000
06	504	70096	18.97	711	.057	6,535	.653	.00	00	.000	00	.000
06	504		468.72	16,675	1.335	223,764	22.379	.00	00	.000	00	.000
06	505	07501	60.44	2,101	.174	48,306	4.833	.00	00	.000	00	.000
06	505		60.44	2,101	.174	48,306	4.833	.00	00	.000	00	.000
06	512	70711	9.24	249	.020	5,549	.555	.00	00	.000	00	.000
06	512		9.24	249	.020	5,549	.555	.00	00	.000	00	.000
06			2,086.04	68,523	7.083	614,464	61.466	2,142.75	490,077	55.120	16,897,778	2,159.522

1973 - SCENARIO 4
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
37 402 68102	.32	12	.001	142	.014	.00	00	.000	00	.300
37 402 68507	.00	00	.000	00	.000	.00	00	.000	00	.300
37 402	.32	12	.001	142	.014	.00	00	.000	00	.300
37 415 50316	52.30	1,961	.157	23,526	2.353	.00	00	.000	00	.300
37 415	52.30	1,961	.157	23,526	2.353	.00	00	.000	00	.300
37 416 64108	545.95	28,885	5.006	191,381	19.181	1,063.42	140,493	19.035	1,744,066	324.764
37 416	545.95	28,885	5.006	191,381	19.181	1,063.42	140,493	19.035	1,744,066	324.764
37 913 66620	95.78	3,592	.287	43,084	4.310	.00	00	.000	00	.300
37 913	95.78	3,592	.287	43,084	4.310	.00	00	.000	00	.300
37	694.35	34,450	5.453	259,133	25.858	1,063.42	140,493	19.035	1,744,066	324.764

1975 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
06	303	80203	592.23	229,536	14.197	291,323	24.167	1,039.23	600,767	39.236	9,974,622	1,138.737
06	303	80220	49.42	1,300	.102	23,983	2.094	.00	00	.000	00	.300
06	303	80225	1,686.79	64,095	5.155	787,955	73.175	712.51	50,138	37.612	1,078,092	37.263
06	303		2,328.44	294,933	19.454	1,053,261	100.206	1,751.74	650,925	76.848	11,052,714	1,176.300
06	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.333
06	307		.00	00	.000	00	.000	.00	00	.000	00	.330
06	605	57501	100.61	3,773	.303	45,220	4.529	.03	30	.000	00	.300
06	605		100.61	3,773	.333	45,220	4.529	.03	30	.000	00	.330
06	701	58501	31.91	839	.066	15,712	1.868	.00	00	.000	00	.300
06	701		31.91	839	.066	15,712	1.868	.00	30	.000	00	.300
06			2,460.96	299,545	19.623	1,122,193	106.603	1,751.74	650,925	76.848	11,052,714	1,176.333

1973 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
39 213 90069	100.08	3,637	.093	46,623	4.646	.00	00	.000	00	.000
39 213 90091	64.66	1,916	.152	135,076	3.513	.00	00	.000	00	.000
39 213	164.74	5,555	.445	182,899	8.161	.00	00	.000	00	.000
39 415 94111	1,104.85	80,839	7.971	537,246	488.432	596.29	393,701	17.830	3,813,476	1,392.596
39 415 94704	.00	00	.000	00	.000	.00	00	.000	00	.000
39 415	1,104.85	80,839	7.971	537,246	488.432	596.29	393,731	17.830	3,813,476	1,392.596
39 702 89119	1,627.40	51,997	4.078	911,565	91.212	659.71	17,628	38.784	16,725,646	1,672.566
39 702 89710	64.09	2,404	.192	23,853	2.665	.00	00	.000	00	.000
39 702 89914	16.26	915	.073	3,663	.366	.00	00	.000	00	.000
39 702 96114	69.76	518	.042	56,526	5.653	.00	00	.000	00	.000
39 702	1,777.53	55,834	4.385	1,033,604	100.116	659.71	17,628	38.784	16,725,646	1,672.566
39 707 17055	119.49	401	.642	401	.642	.00	00	.000	00	.000
39 707	119.49	401	.642	401	.642	.00	00	.000	00	.000
39 714 92702	2.59	97	.008	1,166	.117	.00	00	.000	00	.000
39 714 92806	5.18	194	.016	2,332	.233	.00	00	.000	00	.000
39 714	7.77	291	.024	3,498	.350	.00	00	.000	00	.000
39 805 91320	1,781.82	1,847,136	110.837	677,347	67.736	.00	00	.000	00	.000
39 805	1,781.82	1,847,136	110.837	677,347	67.736	.00	00	.000	00	.000
39 915 95001	118.64	3,515	.279	749,674	6.445	.00	00	.000	00	.000
39 916 95825	69.86	2,072	.165	147,010	3.795	.00	00	.000	00	.000
39 916	188.50	5,591	.444	395,684	10.240	.00	00	.000	00	.000
39	5,144.73	1,995,649	124.746	2,793,679	675.577	1,256.00	411,329	56.614	20,539,122	3,065.162

1990 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
10 205 07950	218.16	250,462	15.027	83,447	8.045	.00	00	.000	00	.000
10 206 98101	627.68	15,612	1.226	378,477	38.295	1,181.65	512,037	42.022	16,516,784	1,685.147
10 206 98504	28.65	1,074	.068	12,600	1.289	.00	00	.000	00	.000
10 206	874.69	267,148	16.321	471,724	47.629	1,181.65	512,037	42.022	16,516,784	1,685.147
10 208 83720	24.52	919	.056	10,953	1.103	.00	00	.000	00	.000
10 208 83721	.19	07	.000	86	.009	.00	00	.000	00	.000
10 208 83724	1.44	54	.003	644	.065	.00	00	.000	00	.000
10 208	26.15	980	.061	11,683	1.177	.00	00	.000	00	.000
10 503 97225	8.37	313	.020	3,737	.376	.00	00	.000	00	.000
10 503 97330	365.45	13,563	1.101	154,039	17.477	273.60	169	.008	1,629	7.800
10 503	373.82	13,876	1.121	157,776	17.853	273.60	169	.008	1,629	7.800
10 907 99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10 907	.00	00	.000	00	.000	.00	00	.000	00	.000
10	1,274.66	282,004	17.503	651,183	66.659	1,455.25	512,206	42.030	16,518,413	1,692.947

1990 - SCENARIO 2
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 99.90	370.50	363,848	20.847	165,624	16.734	.00	00	.000	00	.000
99 999	370.50	363,848	20.847	165,624	16.734	.00	00	.000	00	.000
99	370.50	363,848	20.847	165,624	16.734	.00	00	.000	00	.000
	31,404.05	22,816,903	1,447.913	33,233,977	3,663.665	38,514.75	54,697,176	79.311	546,793,267	66,951.280

1995 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
DC	202	20005	872.73	23,671	1.896	814,034	61.403	.00	00	.000	00	.000
DC	202	20016	23.25	873	.070	23,921	2.092	.00	00	.000	00	.000
DC	202	20036	3.27	11	.013	11	.010	.00	00	.000	00	.000
DC	202	20460	15,059.59	875,757	66.795	4,255,315	430.345	4,503.52	6,641,598	2,565.758	68,337,114	9,421.638
DC	202		11,758.84	900,312	68.774	5,093,281	513.856	4,503.52	6,641,598	2,565.758	68,337,114	9,421.638
DC	301	20852	929.94	20,344	4.711	153,627	18.172	.00	00	.000	00	.000
DC	301	20902	104.27	3,916	.313	46,987	4.693	.00	00	.000	00	.000
DC	301	20910	3.24	24	.032	2,627	.263	.00	00	.000	00	.000
DC	301		1,037.45	24,284	5.026	203,241	23.128	.00	00	.000	00	.000
DC	703	20403	322.54	14,532	1.158	147,768	14.985	.00	00	.000	00	.000
DC	703	22041	20.02	3,799	3.799	3,799	3.799	.00	00	.000	00	.000
DC	703	22043	36.11	118	.189	118	.169	.00	00	.000	00	.000
DC	703	22101	.63	516	.031	452	.045	.00	00	.000	00	.000
DC	703	22153	7.53	2,749	.165	2,262	.918	.00	00	.000	00	.000
DC	703	22203	52.31	1,965	.157	47,072	4.708	.00	00	.000	00	.000
DC	703	22209	.00	00	.000	00	.000	.00	00	.000	00	.000
DC	703	22213	8.69	2,753	.177	4,613	.242	.00	00	.000	00	.000
DC	703	22314	69.72	3,850	.395	15,890	1.690	.00	00	.000	00	.000
DC	703		536.54	30,282	6.601	222,194	26.576	.00	00	.000	00	.000
DC			13,332.83	954,666	79.601	5,515,746	563.562	4,503.52	6,641,598	2,565.758	68,337,114	9,421.638

1995 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

REG AREA ZIP	LOW SPEED CONNECT-TIME	LOW SPEED INPUT # TRANS	LOW SPEED INPUT CHARS(M)	LOW SPEED OUTPUT # TRANS	LOW SPEED OUTPUT CHARS(M)	HIGH SPEED CONNECT-TIME	HIGH SPEED INPUT # TRANS	HIGH SPEED INPUT CHARS(M)	HIGH SPEED OUTPUT # TRANS	HIGH SPEED OUTPUT CHARS(M)
RI 919 27111	13.38	906	.051	5,191	.605	.00	00	.000	00	.300
RI 919 27611	2.02	114	.039	494	.045	.00	00	.000	00	.300
RI 919 27702	606.67	275,161	16.509	67,355	18.847	.00	00	.000	00	.300
RI 919 27711	7,913.16	5,459,709	322.429	3,369,258	362.646	3,614.34	13,385,112	1,790.027	66,741,198	6,717.230
RI 919	8,737.25	5,734,966	338.988	3,443,258	382.143	3,614.34	13,385,112	1,790.027	66,741,198	6,717.230
RI	8,737.23	5,734,966	338.988	3,443,258	382.143	3,614.34	13,385,112	1,790.027	66,741,198	6,717.230

1975 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
31	203 06019	.00	00	.000	00	.000	.00	00	.000	00	.000
31	203 06108	130.35	32,164	1.930	67,327	6.732	.00	00	.000	00	.000
31	203 06109	96.69	7,370	.693	14,396	1.255	.00	00	.000	00	.000
31	203	227.04	39,533	2.623	86,723	7.967	.00	00	.000	00	.000
31	207 04133	.51	24	.002	372	.037	.00	00	.000	00	.000
31	207	.51	24	.002	372	.037	.00	00	.000	00	.000
31	401 02162	15.62	586	.046	7,113	.704	91.62	7,113	.609	272,115	36.495
31	401	15.62	586	.046	7,113	.704	91.62	7,113	.609	272,115	36.495
31	617 01294	2.67	211	.017	2,533	.253	.00	00	.000	00	.000
31	617 01452	12.64	316	.025	7,039	.705	.00	00	.000	00	.000
31	617 02114	87.80	29,331	1.750	42,002	4.200	.00	00	.000	00	.000
31	617 02203	265.52	33,564	1.878	144,432	14.334	416.12	218,114	12.305	5,557,057	645.321
31	617	368.03	63,422	3.680	195,006	19.492	416.12	218,114	12.305	5,557,057	645.321
31	902 05602	11.85	311	.025	5,926	.694	.00	00	.000	00	.000
31	902	11.85	311	.025	5,926	.694	.00	00	.000	00	.000
31		621.05	103,876	6.376	297,140	28.914	507.74	225,227	12.914	5,829,172	681.516

1977 - SEEWAKED 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
32 201 08617	17.61	129	.005	25	.003	.00	00	.000	00	.000
32 201 27709	26.74	1,004	.040	24,059	2.406	.00	00	.000	00	.000
32 201	44.35	1,133	.045	24,084	2.409	.00	00	.000	00	.000
32 212 10007	2,457.70	133,669	9.521	1,075,166	104.197	436.13	112,792	8.337	4,339,162	545.550
32 212 10471	230.79	8,650	.689	133,908	10.391	.00	00	.000	00	.000
32 212	2,688.49	142,259	10.210	1,174,074	114.588	436.13	112,792	8.337	4,339,162	545.550
32 516 11973	118.16	4,416	.354	53,171	5.317	.00	00	.000	00	.000
32 516	118.16	4,416	.354	53,171	5.317	.00	00	.000	00	.000
32 518 12181	.26	02	.000	209	.021	.00	00	.000	00	.000
32 518	.26	02	.000	209	.021	.00	00	.000	00	.000
32 669 08625	16.51	453	.036	9,707	.967	.00	00	.000	00	.000
32 669	16.51	453	.036	9,707	.967	.00	00	.000	00	.000
32	2,867.77	148,257	10.685	1,251,245	123.302	436.13	112,792	8.337	4,339,162	545.550

1977 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
31 215 19105	1,073.64	44,843	3.349	59,864	48.123	1,029.44	236,559	24.629	34,492,132	4,496.592
31 215	1,073.64	44,843	3.349	59,864	48.123	1,029.44	236,559	24.629	34,492,132	4,496.592
31 301 21010	1.49	61	.105	728	.073	.00	30	.000	00	.330
31 301 21211	47.36	159	.254	159	.255	.00	00	.000	00	.330
31 301	48.85	220	.359	887	.328	.00	30	.000	00	.330
31	1,122.49	45,063	3.608	59,751	48.451	1,029.44	236,559	24.629	34,492,132	4,496.592

1977 - SCENARIO 3
TELECOMMUNICATIONS ASSESSED
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
NCG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
34	205	35663	1.97	486	.029	1,016	.102	.00	00	.000	00	.000
34	205	35805	518.07	181,067	10.866	239,784	23.977	.03	00	.000	00	.000
34	205	36109	86.18	641	.052	59,811	6.981	.03	00	.000	00	.000
34	205		606.22	182,214	10.947	313,613	31.060	.00	00	.000	00	.000
34	404	30305	1,498.73	900,890	55.045	633,523	60.048	2,063.46	1,799,138	127.116	32,901,007	3,949.538
34	404	30601	174.70	5,415	.441	33,637	9.088	124.49	39	.451	154,217	15.417
34	404		1,670.40	906,305	55.486	691,160	69.136	2,187.95	1,799,117	127.567	33,055,224	3,965.355
34	803	29201	16.63	605	.076	3,047	.298	.00	00	.000	00	.000
34	803		16.63	605	.076	3,047	.298	.00	00	.000	00	.000
34	804	32561	170.39	6,398	.512	76,833	7.669	.04	12,200	.860	379,567	50.769
34	804		170.39	6,398	.512	76,833	7.669	.04	12,200	.860	379,567	50.769
34			2,463.64	1,095,572	67.021	1,081,853	108.163	2,187.99	1,811,317	128.427	33,434,791	4,015.324

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
SEG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
35 215 44106	.00	00	.000	00	.000	.00	00	.000	00	.000
35 216	.00	00	.000	00	.000	.00	00	.000	00	.000
35 217 11120	5.65	213	.017	2,542	.254	.00	00	.000	00	.000
35 217	5.65	213	.017	2,542	.254	.00	00	.000	00	.000
35 218 15804	5.63	211	.017	2,534	.253	.00	00	.000	00	.000
35 218	5.63	211	.017	2,534	.253	.00	00	.000	00	.000
35 312 55101	2.51	95	.008	1,130	.113	.00	00	.000	00	.000
35 312 60639	6.91	260	.021	3,107	.311	.00	00	.000	00	.000
35 312 60604	1,073.06	363,740	24.566	304,073	32.808	1,210.64	2,148,241	124.089	9,121,984	1,296.360
35 312 60609	15.07	567	.045	5,779	.678	.00	00	.000	00	.000
35 312	1,097.55	364,662	24.640	315,089	33.910	1,210.64	2,148,241	124.089	9,121,984	1,296.360
35 313 46105	29.66	1,116	.089	13,317	1.341	.00	00	.000	00	.000
35 313 46105	80.42	10,703	.676	28,215	2.822	.00	00	.000	00	.000
35 313 46158	382.91	41,957	2.616	155,911	16.594	1,121.92	161,895	11.878	5,061,637	637.473
35 313 60604	.93	1,026	.062	354	.035	.00	00	.000	00	.000
35 313	493.92	54,804	3.443	237,797	20.792	1,121.92	161,895	11.878	5,061,637	637.473
35 317 46207	.00	00	.000	00	.000	.00	00	.000	00	.000
35 317	.00	00	.000	00	.000	.00	00	.000	00	.000
35 414 53226	16.83	709	.056	3,473	.347	.00	00	.000	00	.000
35 414 54303	3.77	142	.011	1,695	.169	.00	00	.000	00	.000
35 414	22.60	851	.067	13,168	1.016	.00	00	.000	00	.000
35 419 44870	.00	00	.000	00	.000	.00	00	.000	34,363	3.438
35 419	.00	00	.000	00	.000	.00	00	.000	34,363	3.438
35 513 11973	529.76	19,772	1.588	238,393	23.839	.00	00	.000	00	.000
35 513 44870	143.65	17,281	1.383	17,281	1.383	.00	00	.000	00	.000

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
35 513 95244	59.04	2,243	.179	25,994	2.694	.00	00	.000	00	.000
35 513 95267	2.36	89	.007	1,066	.107	.00	00	.000	00	.000
35 513 95269	868.69	169,961	9.550	459,538	46.070	13.63	225,642	8.329	3,569,088	230.723
35 513	1,624.50	229,216	12.707	744,222	74.093	13.63	225,642	8.329	3,569,088	230.723
35 517 46976	84.75	3,192	.254	33,130	3.013	.00	00	.000	00	.000
35 517	84.75	3,192	.254	33,130	3.013	.00	00	.000	00	.000
35 608 53597	4.39	165	.013	1,977	.198	.00	00	.000	00	.000
35 608 53707	45.03	1,726	.137	23,618	2.062	.00	00	.000	00	.000
35 608	50.22	1,891	.150	22,595	2.260	.00	00	.000	00	.000
35 612 55113	137.48	5,177	.412	61,855	6.186	.00	00	.000	00	.000
35 612	137.48	5,177	.412	61,855	6.186	.00	00	.000	00	.000
35 715 54226	4.39	165	.013	1,977	.198	.00	00	.000	00	.000
35 715	4.39	165	.013	1,977	.198	.00	00	.000	00	.000
35 812 47711	.63	24	.002	282	.028	.00	00	.000	00	.000
35 812	.63	24	.002	282	.028	.00	00	.000	00	.000
35	3,527.32	660,476	41.722	1,437,191	142.003	2,346.19	2,535,778	144.296	17,787,092	2,168.494

			LO SPEED				HIGH SPEED				
REG	AREA	ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
06	214	75273	572.63	27,963	2.240	175,977	17.708	821.17	243,291	24.393	7,572,245	956.536
06	214		572.63	27,963	2.240	175,977	17.708	821.17	243,291	24.393	7,572,245	956.536
06	415	73105	40.46	1,129	.091	25,159	2.517	.00	00	.000	00	.000
06	405	74820	2.50	52	.007	1,121	.113	83.59	32	.046	19,483	1.360
06	405		42.96	1,221	.098	25,280	2.630	83.59	32	.046	19,483	1.360
06	501	72209	57.57	1,607	.129	35,797	3.581	.00	00	.000	00	.000
06	501		57.57	1,607	.129	35,797	3.581	.00	00	.000	00	.000
06	504	70163	99.62	3,387	.271	51,064	5.107	.00	00	.000	00	.000
06	504	70893	103.66	3,867	.311	45,651	4.665	.00	00	.000	00	.000
06	504	70896	8.69	326	.026	3,911	.391	.00	00	.000	00	.000
06	504		211.97	7,660	.608	101,626	10.163	.00	00	.000	00	.000
06	505	07501	34.22	955	.077	21,277	2.129	.00	00	.000	00	.000
06	505		34.22	955	.077	21,277	2.129	.00	00	.000	00	.000
06	512	78711	3.93	110	.009	2,444	.245	.00	00	.000	00	.000
06	512		3.93	110	.009	2,444	.245	.00	00	.000	00	.000
06			923.28	39,476	3.151	354,401	36.456	904.76	243,293	24.439	7,591,728	958.536

1990 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
RES AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
07 462 03102	.14	05	.000	62	.006	.00	00	.000	00	.000
07 462 08809	.00	00	.000	00	.000	.00	00	.000	00	.000
07 462	.14	05	.000	62	.006	.00	00	.000	00	.000
07 515 50316	22.88	858	.069	13,294	1.030	.00	00	.000	00	.000
07 515	22.88	858	.069	13,294	1.030	.00	00	.000	00	.000
07 816 04108	235.29	12,513	2.057	83,920	8.414	453.30	57,788	8.252	675,825	139.194
07 816	235.29	12,513	2.057	83,920	8.414	453.30	57,788	8.252	675,825	139.194
07 913 06620	41.91	1,572	.126	18,851	1.886	.00	00	.000	00	.000
07 913	41.91	1,572	.126	18,851	1.886	.00	00	.000	00	.000
07	300.22	14,946	2.252	113,127	11.336	453.30	57,788	8.252	675,825	139.194

			LOW SPEED				HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG	AREA	ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
08	303	80203	256.06	93,915	5.819	134,232	10.444	446.29	255,123	16.699	4,303,732	484.388
08	303	80229	19.68	518	.040	11,549	1.153	.00	00	.000	00	.330
08	303	80225	618.92	23,467	1.883	295,524	27.576	260.96	18,306	13.750	391,077	22.501
08	303		894.66	117,900	7.742	412,305	39.173	709.25	273,429	30.449	4,694,809	507.389
08	307	82002	.00	00	.000	00	.000	.00	00	.000	00	.330
08	307		.00	00	.000	00	.000	.00	00	.000	00	.330
08	605	57501	45.60	1,710	.137	23,496	2.053	.00	00	.000	00	.330
08	605		45.60	1,710	.137	23,496	2.053	.00	00	.000	00	.330
08	701	58501	12.70	334	.026	7,456	.744	.00	00	.000	00	.330
08	701		12.70	334	.026	7,456	.744	.00	00	.000	00	.330
08			952.96	119,944	7.905	443,257	41.970	709.25	273,429	30.449	4,694,809	507.389

1980 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

		LO SPEED					HIGH SPEED				
			INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP		CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
39 213	90009	57.99	2,149	.174	25,537	2.643	.00	00	.000	00	.000
39 213	90051	33.03	993	.079	117,451	1.848	.00	00	.000	00	.000
39 213		91.02	3,142	.253	146,088	4.491	.00	00	.000	00	.000
39 415	94111	491.66	40,982	4.094	265,696	283.199	281.80	201,545	9.735	1,974,191	660.183
39 415	94704	.00	00	.000	00	.000	.00	00	.000	00	.000
39 415		491.66	40,982	4.094	265,696	283.199	281.80	201,545	9.735	1,974,191	660.183
39 702	89114	972.98	30,662	2.416	541,995	54.235	397.36	10,832	23.371	10,142,964	1,014.297
39 702	89715	26.11	979	.076	11,754	1.175	.00	00	.000	00	.000
39 702	89919	8.61	484	.039	1,937	.194	.00	00	.000	00	.000
39 702	96119	39.39	293	.024	31,903	3.190	.00	00	.000	00	.000
39 702		1,047.09	32,416	2.557	587,590	58.794	397.36	10,832	23.371	10,142,964	1,014.297
39 707	17055	62.88	211	.338	211	.338	.00	00	.000	00	.000
39 707		62.88	211	.338	211	.338	.00	00	.000	00	.000
39 714	92702	1.05	40	.003	475	.047	.00	00	.000	00	.000
39 714	92806	2.11	79	.006	950	.095	.00	00	.000	00	.000
39 714		3.15	119	.009	1,425	.142	.00	00	.000	00	.000
39 805	91325	471.65	437,906	26.280	185,733	18.573	.00	00	.000	00	.000
39 805		471.65	437,906	26.280	185,733	18.573	.00	00	.000	00	.000
39 916	95801	62.07	1,822	.145	219,171	3.391	.00	00	.000	00	.000
39 916	95825	36.55	1,073	.085	129,050	1.997	.00	00	.000	00	.000
39 916		98.62	2,895	.230	348,221	5.388	.00	00	.000	00	.000
39		2,267.08	517,673	33.751	1,535,164	370.925	679.16	212,377	33.106	12,117,155	1,674.180

1973 - SCENARIO 3
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

			LO SPEED				HIGH SPEED				
REG	AREA ZIP	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)	CONNECT-TIME	INPUT # TRANS	INPUT CHARS(M)	OUTPUT # TRANS	OUTPUT CHARS(M)
10	206 37950	45.69	52,455	1.147	15,848	1.665	.00	00	.000	00	.000
10	206 98101	271.86	6,714	.515	154,923	16.913	522.97	241,922	19.239	6,535,699	669.990
10	206 98506	13.62	516	.023	5,084	.612	.00	00	.000	00	.000
10	206	331.17	59,679	3.685	157,855	19.213	522.97	241,922	19.239	6,535,699	669.990
10	206 63720	11.66	437	.020	5,206	.524	.00	00	.000	00	.000
10	206 63721	.09	03	.000	41	.004	.00	00	.000	00	.000
10	206 63724	.69	26	.001	306	.031	.00	00	.000	00	.000
10	206	12.44	466	.021	5,553	.559	.00	00	.000	00	.000
10	503 97225	3.98	149	.007	1,776	.179	.00	00	.000	00	.000
10	503 97333	164.41	6,125	.497	73,805	8.425	112.29	63	.003	607	2.909
10	503	168.39	6,274	.504	75,561	8.604	112.29	63	.003	607	2.909
10	907 99801	.00	00	.000	00	.000	.00	00	.000	00	.000
10	907	.00	00	.000	00	.000	.00	00	.000	00	.000
10		512.00	66,415	4.210	268,969	28.373	635.26	241,985	19.242	6,536,306	672.399

1975 - SCENARIO
TELECOMMUNICATIONS WORKLOAD
BY GEOGRAPHIC LOCATION

	LO SPEED					HIGH SPEED				
		INPUT		OUTPUT			INPUT		OUTPUT	
REG AREA ZIP	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)	CONNECT-TIME	# TRANS	CHARS(M)	# TRANS	CHARS(M)
99 999 9999	191.03	159,557	6.520	96,455	8.610	.00	00	.000	00	.330
99 999	191.03	159,557	6.520	96,455	8.610	.00	00	.000	00	.330
99	191.03	159,557	8.520	96,455	8.610	.00	00	.000	00	.330
	37,820.90	9,021,127	636.010	15,673,547	1,895.008	18,009.08	25,977,295	4,789.876	262,576,484	31,999.532